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[DT-NMBP-08-2019 - Real-time nano-characterisation technologies \(RIA\)](#)

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List of Abbreviations

BNN - BioNanoNet Forschungsgesellschaft mbH (project partner)

BRAVE - BRAVE Analytics GmbH (project partner)

CA - Consortium Agreement

CEN - European Committee for Standardization

Cnano - Creative Nano (project partner)

C&D - Communication & Dissemination

D - Deliverable

DOI - Digital Object Identifier

EC - European Commission

EPP - Emulsion Polymerization Processes

EU - European Union

EXEL - EXELISIS (project partner)

FLU - Fluidinova (project partner)

GA - Grant Agreement

GDPR - General Data Protection Regulation

IRIS - IRIS Technology Solutions S.L. (project partner)

M - Month

MUG - Medizinische Universität Graz (project partner)

NGO - Non-Governmental Organisation

NP - Nanoparticle

NSC - NanoSafety Cluster

OF2i - OptoFluidic Force Induction

OITB - Open Innovation Test Bed

PAT - Process Analytical Technologies

PDW - Photon Density Wave

PDWA - PDW Analytics GmbH (project partner)

PEDR - Plan for the Exploitation and Dissemination of Results

R&D - Research & Development

RTO - Research and Technology Organisation

SbD - Safe-by-Design

SSbD - Safe-and-Sustainable-by-Design

SME - Small and Medium Enterprise

TEMASOL - Temas Solutions GmbH (project partner)

TUS - TURbidity Spectrometry

IP - University of Potsdam (project partner)

UPV - Universidad del País Vasco (project partner)

WP - Work Package

ZHAW - Zürcher Hochschule für Angewandte Wissenschaften (project partner)

Publishable Executive Summary

This deliverable D7.4 – *“Preliminary Community Building Action Plan incl. Education and Engagement”* is developed as part of the NanoPAT project, which is a European Union Horizon 2020 Research and Innovation Program, under the Grant Agreement number 862583.

It has been produced by BNN, as leader of WP7 on *“Knowledge Transfer & Dissemination”*, and TEMASOL, leader of Task 7.1 *“Knowledge Transfer, Training & Capacity Building”*, based on the inputs and contributions from all project partners.

It contains a summary of all the performed communication and dissemination activities since the beginning of the project (M1-M24), including the available material. Furthermore, this report includes the planned communication and dissemination activities for the upcoming months, including the expected outcome.

Introduction

Under the title “Preliminary Community Building Action Plan incl. Education and Engagement” , this Deliverable D7.4 contains the communication and dissemination (C&D) activities that the project and its partners have performed since the beginning of the project (M1-M24) (including the available material), as well as the planned ones for the upcoming months (including expected outcome).

Examples of activities that are considered by NanoPAT as C&D activities are the creation of a project logo and website, as well as the corresponding corporate identity, creation of dissemination/marketing material, promotion activities in social media, creation of videos and newsletters, publication of relevant news in blogs, generation of interviews, press releases, articles in journals, organisation and/or participation in relevant events and meetings, organisation and participation in internal/external knowledge transfer and/or training activities, and many more.

The aim of these activities is to raise the awareness of the NanoPAT project and its scope, attract the interest of the relevant stakeholders (industry, scientific community, policy makers, general public, etc.), connect with them by showing them the capacity of NanoPAT and its technologies, as well as, train potential end users so that they are able to safely and efficiently operate NanoPAT's instruments. In addition, reaching out to their community of peers has also benefited NanoPAT as partners could avail support in different areas ranging from data and metadata structure to process support, risk assessment, and testing guidance.

At the end of the project, the community building activities of the upcoming months will be summarised in deliverable D7.7 “Final Community Building Action Plan incl. Education and Engagement”.

1. Performed communication and dissemination activities

This section provides an overview of the Communication and Dissemination (C&D) activities in which NanoPAT has participated with an active role within the last months (M1-M24), promoting the project and engaging with the community. All materials available are also linked.

Main NanoPAT activities (dissemination material, events, workshops, newsletters, press releases, etc.) are announced in the “*News & Media*”¹ section of the project website as well as in the social media channels of the project (*LinkedIn*², *Twitter*³ and *YouTube*⁴). Furthermore, all relevant materials are published in the NanoPAT Community in Zenodo⁵.

In the following pages, all NanoPAT C&D activities are described in detail, with links for more details.

Table 1: Overview of C&D Activities since project begin (Status mid May 2022).

Comm. & Diss. Activity	# M1-M24
Website	3
Dissemination Pack	7
Social Media	> 300
NanoPAT videos	6
NanoPAT Newsletter	3 (+1)
Press Releases / interviews / articles in newsletters / blogs	33
Knowledge Transfer / Training Activity	20
Participation in events (workshops, conference, webinar, other, ...)	30
Oral Presentations @ Events	23
Posters @ Events	10

One of the main communication channels of the project with the wider public is the **project website**, established since the early months of the project, having reached 17839 views of 4124 unique international users (US, Germany, Spain, Austria, China, Greece, France, Switzerland, India and Italy are the top 10 countries visiting NanoPAT’s webpage) in 6295 sessions. All 53 most relevant C&D activities of the project until now have been published on the project webpage, in the *News & Media section*⁶.

¹ <https://www.nanopat.eu/news-media/>

² <https://www.linkedin.com/company/nanopat>

³ https://twitter.com/nanopat_project

⁴ <https://www.youtube.com/channel/UCglAiA8J5OzUZQ1YnMhcZZA>

⁵ <https://zenodo.org/communities/nanopat/>

⁶ NanoPAT website - News & Media section: <https://www.nanopat.eu/news-media/>

Additionally to the webpage, several general **communication and dissemination materials** have been prepared for promoting the project, such as the [project flyer](#), a [general poster](#) and a project roll up. For internal use, a set of general slides as well as scientific poster template are available to all project partners.

The project and its main activities have been highlighted in several **newsletters**, such as the NanoPAT newsletter, and the external BNN and EU NanoSafety Cluster newsletter:

- **NanoPAT Newsletters:** since the beginning of the project, NanoPAT publishes every 6 months its own Newsletter, with the main activities related to the project during the past months as well as highlighting the upcoming activities. Until the time of writing this deliverable, NanoPAT has shared its 3 newsletters (the forth one will be published in the end of May 2022) to 66 subscriptions and many other stakeholders via email and social media:
 - [#01](#) (Nov 2020)
 - [#02](#) (June 2021)
 - [#03](#) (Nov 2021)
 - #04 (May 2022 - in production)
- The quarterly published BioNanoNet Newsletter is also used to promote NanoPAT activities. Until May 2022, NanoPAT activities have been highlighted in 5 BNN Newsletters reaching out a large group of potential stakeholders via email and social media:
 - [Sep. 2020](#)
 - [Dec. 2020](#)
 - [March 2021](#)
 - [Sept. 2021](#)
 - [Dec. 2021](#)
- Furthermore, as part of the EU NanoSafety Cluster (NSC), NanoPAT has also promoted via its quarterly newsletter, three times since project begin, reaching a wide audience via email and social media:
 - [#23](#) (July 2021)
 - [#24](#) (Nov. 2021)
 - [#25](#) (Feb. 2022)

Additionally, there have been thirteen **articles in other websites/blogs** (excluding NanoPAT, BNN and NSC newsletters) promoting the project and its activities:

Table 2: Overview of articles in ext. newsletters / blogs (excluding NanoPAT, BNN and NSC newsletters) (Status May 2022).

Date (dd.mm.yyyy)	Partner (Acronym)	Title of activity	Content/Brief description/Purpose	External link to activity (if relevant)
11.06.2020	EXEL	NanoPAT 2020	Advertising project Kick-Off	https://www.exelisis.gr/nanopat-h2020/
15.06.2020	FLUIDINOVA	NanoPAT	Advertising the project	https://www.fluidinova.com/news-about-nano-hydroxyapatite-nanoxim-and-fluidinova
13.01.2021	BRAVE	BRAVE Newsletter - Issue 1	Promotion of NanoPAT project	https://www.exelisis.gr/nanopat-h2020/
05.03.2021	BRAVE	BRAVE Newsletter - Issue 2	Presentation of development status	https://www.fluidinova.com/news-about-nano-hydroxyapatite-nanoxim-and-fluidinova
15.06.2021	BRAVE	BRAVE Insights Newsletter - Issue 2	Update of the BRAVE Labs: two NanoPAT specific industrial use cases from the partners FLUIDINOVA and Cnano were transferred to the BRAVE laboratories	https://shoutout.wix.com/so/15NFTqf7n?languageTag=de&cid=8d9f6c7d-4a38-4f53-8d93-b70cc1abd4d5#/main
15.06.2021	BNN	NanoPAT added on the EU NanoSafety cluster webpage	Promotion of the project. Initiation of activities with the NSC.	https://www.nanosafetycluster.eu/nsc-overview/nsc-structure/steering-group/nanopat/
15.11.2021	UP	Promotion of the project in the innoFSPEC webpage	Article about NanoPAT on the innoFSPEC webpage	https://innofspec.de/en/research-focus/interdisciplinary-projects/nanopat
13.01.2022	EXEL	M18 NanoPAT meeting website post	Post in the news section of EXEL website for NanoPAT 18M	https://www.exelisis.gr/nanopat-18m-review-meeting/
19.01.2022	UP	News article at the innoFSPEC webpage about the Review Meeting 1	Promotion of the successful review meeting 1 on the webpage of INNOFSPEC	https://innofspec.de/en/news/news-events
09.02.2021	BNN	Promotion on BNN webpage of NanoPAT's article on the last NSC newsletter (issue #25)	Article about NanoPAT's activities on the BNN webpage	https://www.bnn.at/nanosafety-cluster-newsletter-issue-25-out-now/
11.04.2022	UP	Podcast UP "Was passiert da eigentlich?"	Podcast of Marvin Münzberg, from UP/innoFSPEC, highlighting innoFSPEC's important role in the knowledge transfer between university and industrial partners, particularly in the field of process analytical technologies (PAT)	https://www.uni-potsdam.de/de/innovative-hochschule/gesellschaft-scampus/podcast/listenup-der-transferpodcast-der-uni-potsdam
23.04.2022	UP	Article on innoFSPEC website	Promotion of NanoPAT's activities on the innoFSPEC webpage	https://innofspec.de/en/news/news-events

		about visit to POLYMAT		
15.05.2022	UP	Article on the innoFSPEC website about the visit to Evonik	Promotion of NanoPAT's activities on the innoFSPEC webpage	https://innofspec.de/en/news/news-events/143-innofspec-visit-at-evonik

Since the beginning of the project (M2), NanoPAT has been very active in **social media** (LinkedIn, Tweeter) promoting its activities and developments with the wider community. By mid May 2022, the project counts with 340 Followers in LinkedIn and 152 Followers in Twitter (Figure 1). Until publishing this deliverable, the monthly average of postings in social media is 6 (Figure 1) with around 284 direct postings in social media referencing NanoPAT. Due to the fact that the number of postings in both social media channels is quite similar and the number of followers in LinkedIn is much bigger than in Twitter, the number of impressions is also higher in LinkedIn than in Twitter.

A complete list of all social media postings published by NanoPAT main project accounts, LinkedIn and Twitter, (Annex 1) and by the project partners (Annex 2) is available in the Annexes.

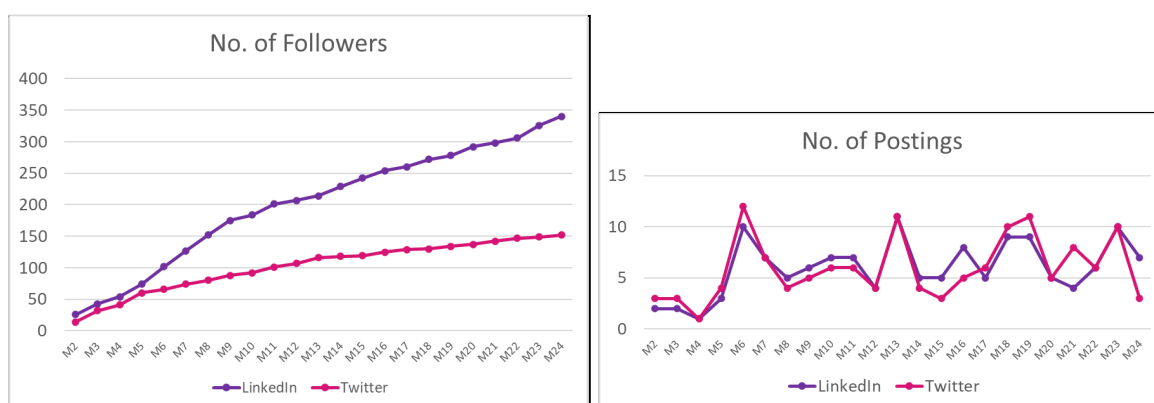


Figure 1: Follower & Postings metrics in LinkedIn and Twitter [M2 (July 2020) - M24 (15th May 2022)].

All project relevant materials (public deliverables, newsletter articles, workshop materials, posters, ...) that are public are available in Zenodo, in order to increase their visibility, make them easier to find and more traceable for the whole community. Following nine documents are available in the NanoPAT Community in Zenodo, all *Open Access* with a *Creative Commons Attribution 4.0 International* licence:

- [Deliverable D1.1](#) - Inventory and preliminary assessment on availability of commercial solutions for nanoprocesses monitoring
- [Deliverable D1.2](#) - Report on the state-of-the-art review
- [Deliverable D7.1](#) - Public project website online
- [NanoPAT Newsletter #01](#)
- [NanoPAT Newsletter #02](#)

- [NanoPAT Newsletter #03](#)
- [Materials of the PAT Workshop in the EuroPACT 2021 conference](#)
- [Poster](#) from BRAVE & MUG presented in the EuroNanoForum 2021 conference (5-6 May 2021), with title “*Optofluidic Force Induction Scheme for the Characterization of Nanoparticle Ensembles*”.
- [Poster](#) from PDWA and UP presented in the EuroNanoForum 2021 conference (5-6 May 2021), with the title “*Characterization of Concentrated Nano-Scaled Droplets, Soft and Hard Particles by Fiber-Optical Photon Density Wave Spectroscopy*”.
- [Poster](#) from BRAVE & MUG presented in the EuroPACT 2021 conference (15-17 Nov. 2021), with title “*Optofluidic Force Induction Scheme for the Characterization of Nanoparticle Ensembles*”.
- [Poster and Flash presentation](#) from POLYMAT/UPV & UP/innoFSPEC presented in the GEP-SLAP 2022 congress, 8-12 May 2022, San Sebastian, Spain), with the title “*Inline monitoring of particle size in emulsion polymerization processes by Photon Density Wave Spectroscopy*”

Table 3: Overview of uploads in the NanoPAT Community in Zenodo (Status mid May 2022).

Zenodo Publication type	Title	Author(s) Affiliation (s)	DOI	Publication date	Conference/Event associated (if relevant)	Link to Zenodo	Link to project website
Project deliverable	D1.2 - Report on the state-of-the-art review	UP, IRIS	10.5281/zenodo.4109032	21.09.2020	-	https://zenodo.org/record/4109032#YnEciu3P02x	https://www.nanopat.eu/nanopat-deliverable-d1-2/
Project deliverable	D1.1 - Inventory and preliminary assessment on availability of commercial solutions for nanoproceses monitoring	UPV/EHU, IRIS, PDWA, DSM/Covestro, MUG, Arkema	10.5281/zenodo.4108910	28.09.2020	-	https://zenodo.org/record/4108910#YnEcpiu3P02x	https://www.nanopat.eu/nanopat-deliverable-d1-1/
Project deliverable	D7.1 - Public project website online	BNN, IRIS	10.5281/zenodo.4106459	30.09.2020	-	https://zenodo.org/record/4106459#YnEcb-3P02y	https://www.nanopat.eu/nanopat-deliverable-d1-1-inventory-and-preliminary-assessment-on-availability-of-commercial-solutions-for-nanoproceses-monitoring/
Other	NanoPAT - Newsletter 01	BNN, IRIS	10.5281/zenodo.5012935	30.11.2020	-	https://zenodo.org/record/5012935#Ympx-3P1aQ	https://www.nanopat.eu/nanopat-newsletter-01/
Poster	Characterization of Concentrated Nano-Scaled Droplets,	PDWA, UP	10.5281/zenodo.4923658	06.05.2021	EuroNanoForum 2021 (5-6 May 2021,	https://zenodo.org/record/4923658#YmpyXe3P1a	https://www.nanopat.eu/nanopat-euronanoforum-2

	Soft and Hard Particles by Fiber-Optical Photon Density Wave Spectroscopy				online)	Q	021-5-6-may-2021/
Other	NanoPAT - Newsletter 02	BNN, IRIS	10.5281/zenodo.5012998	02.06.2021	-	https://zenodo.org/record/5012998#.Ympx_O3P1aQ	https://www.nanopat.eu/nanopat-newsletter-02/
Poster	Optofluidic Force Induction Scheme for the Characterization of Nanoparticle Ensembles	BRAVE, MUG	10.5281/zenodo.4916039	09.06.2021	EuroNanoForum 2021 (5-6 May 2021, online)	https://zenodo.org/record/4916039#.YmpyYO3P1aQ	https://www.nanopat.eu/nanopat-euronanoforum-2021-5-6-may-2021/
Poster	Optofluidic Force Induction Scheme for the Characterization of Nanoparticle Ensembles	BRAVE, MUG	10.5281/zenodo.5726766	15.11.2021	EuroPACT 2021 conference (15-17 Nov. 2021, online)	https://zenodo.org/record/5726766#.YnEZB-3P02w	https://www.nanopat.eu/nanopat-europact-2021/
Presentation	NanoPAT Workshop @ EuroPACT 2021	IRIS, UP, PDWA, BRAVE	10.5281/zenodo.5734879	15.11.2021	EuroPACT 2021 conference (15-17 Nov. 2021, online)	https://zenodo.org/record/5734879#.YmpyKe3P1aQ	https://www.nanopat.eu/nanopat-europact-2021/
Other	NanoPAT - Newsletter 03	BNN, IRIS	10.5281/zenodo.5747070	30.11.2021		https://zenodo.org/record/5747070#.Ympx_-3P1aQ	https://www.nanopat.eu/nanopat-newsletter-03/
Poster & Flash presentation	Inline monitoring of particle size in emulsion polymerization processes by Photon Density Wave Spectroscopy	POLYMAT / UPV, UP / innoFSPEC	10.5281/zenodo.6562374	18.05.2022	GEP-SLAP 2022 congress, San Sebastian, Spain, 08-12 May 2022	https://zenodo.org/record/6562374#.YoV2kozP2Uk	https://www.nanopat.eu/nanopat-gep-slap-2022/

Other activities from NanoPAT that are relevant to be highlighted are press releases and a virtual lab tour through the innoFSPEC lab (innovation and research center part of the University of Potsdam and project partner in NanoPAT) was prepared to show the state-of-the-art of their research instruments and facilities:

- 2 [Press releases](#) of the University of Potsdam (UP) (18.06.2020)
- 6 [Press Releases](#) of the Medical University of Graz (MUG) (August 2020)
- [innoFSPEC virtual lab tour](#)

Additionally, some video materials has been produced by the project and/or its partners showing some of the Consortium industrial partners and/or some of the development steps within the project:

- [Industrial Partner Fluidinova](#)
- [Preparation of Cnano samples by BRAVE](#)
- [Pilot line of industrial partner Cnano](#)
- [Assembly of BRAVE B1 prototype](#)
- [2 short videos](#) from the visit on IRIS to POLYMAT in June 2021

Table 4: Overview of video materials in the NanoPAT YouTube Channel (Status mid May 2022).

#	Title	Author(s) / Affiliation	Date of release	Link to video	Link to project webpage
1	NanoPAT Industrial Partner FLUIDINOVA	FLU	05.02.2021	https://www.youtube.com/watch?v=IhzFPYVT8yk	https://www.nanopat.eu/video-about-our-industrial-partner-fluidinova/
2	Preparation of Cnano Samples by BRAVE	BRAVE	19.04.2021	https://www.youtube.com/watch?v=-ZK337Gv_s	https://www.nanopat.eu/cnano-video/
3	Assembly of the first BRAVE B1 prototype	BRAVE	26.04.2021	https://www.youtube.com/watch?v=FYamYBlpZL4	https://www.nanopat.eu/assembly-of-brave-b1-prototype-2/
4	Nucleation process during polymeric NPs synthesis	TUS (Nicola Palombo)	22.06.2021	https://www.youtube.com/shorts/etlyedZit34	https://www.nanopat.eu/visit-of-iris-to-poly mat/
5	NPs solution withdrawal for TUS measurement	TUS (Nicola Palombo)	22.06.2021	https://www.youtube.com/shorts/qdcZuVfs01s	https://www.nanopat.eu/visit-of-iris-to-poly mat/

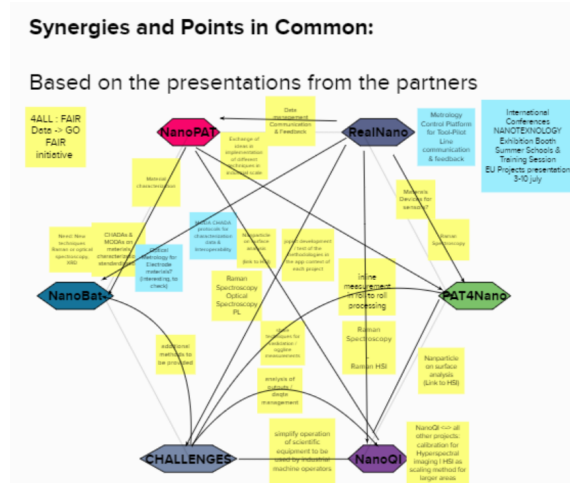
A summary of **conferences and events** where NanoPAT has been represented since the beginning of the project with a total of 23 oral presentations and 10 posters (due to the COVID-19, all events where NanoPAT has been active to-date have been mainly online). A link to the webpage with a short report and materials of each one of the C&D activities is provided, when available:

- EMCC meeting, 15th June 2020, online - The purposes of the meeting was to cluster the recent projects that were funded under the NMBP Call and to give exchange feedback to the EC and to the EMCC for better alignment of the roadmap of such initiative with the implementation of projects on going, like NanoPAT to better influence the future definition of Horizon Europe under this thematic areas. Oral presentation of Simona Neri (IRIS).
- Participation in [CEN workshop/meetings](#) (starting on 5th Nov. 2020, online) - As cooperation between NanoPAT, OYSTER and EMCC for giving insight into NanoPAT and getting inputs from the experts for the further developments in the project.

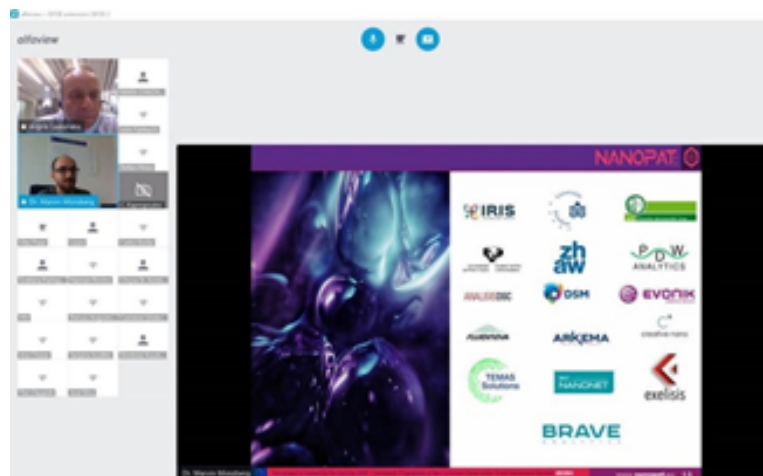
- [14th MeCCE](#), 16-20th Nov. 2020, online. Oral presentation of Simona Neri (IRIS).
- BNN welcome webinar, 9th Feb. 2021, online. [Oral presentation](#) of BRAVE Analytics on their technology and their contribution to NanoPAT.
- Participation in CEN workshop, 14th Feb. 2021, online (see second point “Participation in CEN workshop/meetings”).
- [1st Stakeholders workshop on Safe and Sustainable-by-Design criteria for chemicals, materials and products](#), 19th March 2021, online.
- InterNanoPoland Conference 2021, 15th April 2021, online. [Oral presentation](#) of BNN with the title “From idea to reality - important cornerstones on the way to the (nano)market”
- Participation in CEN workshop, 16th April 2021, online (see second point “Participation in CEN workshop/meetings”).
- [EuroNanoForum 2021](#), 5-6th May 2021, online. 2 Posters (UP/PDWA and BRAVE) and moderation of one of the sessions (TEMASOL).



- Global Innovation Summit (18th May 2021, Graz). [Oral presentation](#) of BNN who, as invited speaker, contributed to the session “future of mobility” in the frame of the “green transition” focus of the event. BNN's presentation about SSbD guiding for sustainable innovation. The event enabled to show (business)minds and technical developers the potential and the economic and environmental value that can be associated with the SSbD concept and its use.
- NMBP-08 workshop, 21st May 2021, online - Workshop to get to know each other, to identify synergies and points in commons between the sister projects, to identify common key collaborators and cooperation points in stakeholder engagement.



- [Advanced Materials conference](#), 24th June 2021.
- Forum Technology and Society, 28th June 2021, Graz (Austria) - Oral presentation of BRAVE on the current OF2i research carried out in NanoPAT.
- [NANOTEXNOLOGY 2021 - ISFOE21](#), 8th July 2021, online. Oral presentation of UP.



- European Biophysics Conference in Vienna (EBSA 2021), 24-28th July 2021, Vienna (Austria) - BRAVE had a poster presentation on the OFi2 technology. Additionally, BRAVE was the winner of the conference's poster award (out of 400 submissions).
- 720. WE-Heraeus-Seminar: Structures in Confined Light - from Topology to Microscopy, 16-17th Aug. 2021, online - BRAVE gave a presentation on their recent findings on the OF2i technology. Additionally, they had a poster presentation.
- 15. Interdisziplinäres Doktorandenseminar, 6-8th Sept. 2021, online - UP gave an oral presentation on NanoPAT and the application of PDW on Silica.
- [NanoInnovation 2021](#), 21st-24th Sept. 2021, online. Oral presentation of TEMASOL.
- [EuroPACT 2021](#), 15-17 Nov. 2021, online. NanoPAT organised an interactive PAT workshop. Additionally BRAVE gave an oral presentation and there were 5 posters (BRAVE, UP and ZHAW).

- [Materialen Zientzia eta Teknologia V. kongresua](#), 29-30th Nov.2021, Bilbao (Spain). Oral presentation of UPV/POLYMAT.
- [1st Co-Creation Workshop of the "NanoMECommons" project - "Materials characterization challenges to support the industry transition in the digital era"](#), 23rd Dec. 2021, online. Oral presentation of IRIS as invited speaker.
- [OYSTER Open Day workshop](#), 17th March 2022, online.
- [20th NanoNET Austria & 1st NanoSyn3 Joint Meeting](#), 22nd April 2022, Graz (Austria). Oral presentation of BRAVE
- [10th PhD Students Workshop on Polymer Reaction Engineering](#), 20-22 April 2022, San Sebastian (Spain). Poster and oral presentation of UPV/POLYMAT.
- [GEP-SLAP 2022 - Conference on Polymers](#), 8-12th May 2022, San Sebastian (Spain). Poster and poster presentations of UPV/POLYMAT.
- BioNanoNet Gold Member Webinar (31 May 2022, online). Oral presentation of BRAVE and short presentation of BNN.

Several **external and internal Knowledge Transfer & Training Activities** (11 internal and 7 external) have been already carried out within the project partners (Consortium partners) and with external stakeholders, generating a total of 6 training materials. All activities are monitored, in an online document on the project server, to easily collect the information and to identify potential gaps that may need to be addressed. These activities are discussed regularly as part of the monthly WP7 meetings and internal specific workshops. At time of writing this deliverable, the following internal and external Knowledge Transfer & Training Activities have been performed (see Tables 5, 6 and 7 respectively for more details):

Table 5: Overview of the internal and external Knowledge Transfer & Training activities (Status mid May 2022).

Kind of Partner	Internal Trainings	External Trainings	# Training Activities (Status M12 - June 2021)	# Training Activities (Status M18 - Nov. 2021)	# Training Activities (Status M24 - May 2022)	Materials available (Status M24 - May 2022)
Technology provider	1	2	2	2	4	1
RTO pilot	7	1	0	5	6	1
Industrial Pilot	0	0	0	0	0	0
Other	3	4	2	6	7	5

Table 6: Overview of internal Knowledge Transfer & Training activities (Status mid May 2022).

Kind of Partner	Organisation giving the training	Topic for the training/activity	Activity	When did the activity take place?	Targeted audience	Materials
RTO pilot	UP	PDW	Visit from UPV/POLYMAT to UP (Potsdam) --> UP provided training activities to Polymat regarding PDW technology in the innoFSPEC lab	31.05.2021 - 02.07.2021	NanoPAT partners (POLYMAT)	n.a.
Tech provider	IRIS	TUS	Visit from IRIS to POLYMAT --> IRIS provided training activities to Polymat regarding TUS technology & how to use the TUS equipment to analyse the polymer particle size	14-18.06.2021	NanoPAT partners (POLYMAT)	n.a.
RTO pilot	UP	PDW	Visit from ZHAW to UP (Potsdam) --> UP provided training activities to ZHAW regarding PDW technique in the innoFSPEC lab	28.06.2021 - 02.07.2021	NanoPAT partners (ZHAW)	n.a.
Other	BNN & TEMASOL	SbD workshop	Project-internal workshop to introduce all partners as well as to get a common understanding of 'Safety-by-Design', emphasising possible advantages of applying it. Interactive part: get all partners involved in setting 'Safety-by-Design' in the context of the NanoPAT project and to start an open discussion.	29.06.2021 (aligned with GA)	NanoPAT partners	Presentation
RTO pilot	UP	PDW	Training on PDW spectroscopy and particle size analysis, hold within the framework of WP2 (UPV/POLYMAT, Covestro/DSM, Arkema and ZHAW)	08.07.2021	NanoPAT partners (WP2)	Presentation
Other	TEMASOL	SbD assessment	Visit of TEMASOL (Blanca Suarez) to UPV/POLYMAT --> TEMASOL provided an insight on risk assessment to POLYMAT during this industrial site visit, checking their lab and processes for doing a safety assessment.	15.07.2021	UPV/POLYMAT	n.a.

RTO pilot	UP	PDW	Visit from EVONIK to UP → UP provided training activities to Evonik regarding the PDW technique: Tour of innoFSPEC lab, demonstration of PDW spectroscopy, discussion of experimental progress	09.08.2021	NanoPAT partners (Evonik)	n.a.
Tech provider	PDWA/UP, BRAVE, IRIS	Interactive internal PAT workshop	Internal preparation for the PAT workshop @ EuroPACT 2021	03.11.2021	NanoPAT partners	n.a.
RTO pilot	UP	PDW	Visit of UP at POLYMAT → UP team visited POLYMAT to support them with the maintenance of the PDW spectrometer and the analysis of the measurement data.	11-22.04.2022	NanoPAT partners (POLYMAT)	n.a.
RTO pilot	UP	PDW	Visit of UP to Evonik --> Visit of UP team to the industrial plants of Evonik where the PDW technology is to be implemented. Meetings take place in preparation for WP6.	11.05.2022	NanoPAT partners (Evonik)	n.a.
RTO pilot	UP	PDW	Visit of UP to Covestro --> Visit of UP to the industrial plants where the PDW technology is to be implemented. Meetings take place in preparation for WP6.	24.05.2022	NanoPAT partners (DSM/Covestro)	n.a.

Table 7: Overview of external Knowledge Transfer & Training activities (Status mid May 2022).

Kind of Partner	Organisati on giving the training	Topic for the training/activity	Activity	When did the activity take place?	Targeted audience	Materials
Other	TEMASOL	OYSTER-EMCC CEN Workshop	Clustering and metadata activity as preparation for pre-standardization activities for NanoPAT technologies	24.11.2020 - 27.10.2021	All	Publication
Tech provider	BRAVE	OF2i training	Seminar on OF2i	11.05.2021	University GRAZ / Institute of Molecular Biosciences — IMB	n.a.

Other	NanoCom mons	Workshop on GRACIOUS Wiki (1)	Introduction to the GRACIOUS Wiki - "Terminology Harmonizer Tool"	20.05.2021	NanoPAT partners	Presentation
Other	NanoCom mons	Workshop on GRACIOUS Wiki (2)	2nd training on the GRACIOUS Wiki - More detailed explanation and demonstration of the GRACIOUS Wiki	17.06.2021	NanoPAT partners	Presentation
RTO pilot	UPV/POLY MAT	Course on Emulsion Polymerization Processes (EPP)	Training on how to produce polymeric nanoparticles to academic and industrial audience	13.09 - 18.10.2021	Academia Industry	Only for course assistants
Tech providers	PDWA/UP, BRAVE, IRIS	Interactive PAT workshop @ EuroPACT 2021		15.11.2021	Academia Industry End Users	Materials
Other	NanoCom mons	Workshop on Instance Mapping	Workshop to get a better understanding of the data landscape of the relevant production process and, furthermore, will turn in a more complete data template and accurate data modelling.	14.04.2022	NanoPAT Partners	Materials

Since the beginning of the project, NanoPAT has identified, with the collaboration of all project partners, relevant **projects and clusters** with the main aim of exchange of information, collaboration, feedback, maximisation of project impact and achievement of sustainability of the project results beyond project end. During the first 24 months of the project, following activities shall be highlighted due to its relevance:

- Collaboration with EU-H2020 OYSTER project: TEMASOL, as NanoPAT data manager, has participated in the CEN workshops organised since the beginning of the project and has contributed to the OYSTER CEN/WS, linked to EMMC, with the output being the publication of CWA 17815:2021. This activity supported NanoPAT partners in gaining knowledge about the standardisation efforts in their community of peers in nanomaterial characterisation, as well as understanding the standardisation process and guiding partners with pre-standardisation activities for their novel technologies.
- Collaboration with EU-H2020 NanoCommons project in several topics. NanoCommons has acted as adviser of NanoPAT in data management (harmonisation of metadata and data), as well as for storage purposes. Furthermore several Transnational Access (TA) activities have been started to connect selected PAT sensors with the NanoCommons infrastructure and therefore, share relevant data and metadata through the NanoCommons infrastructure. Further TA's related to (i) case study specific process and (ii) product related activities are in progress (i.e., support in test guidance, risk assessment, etc.).

- Collaboration with EU-H2020 GRACIOUS project, which supported NanoPAT with providing a platform to discuss ontology, internal for the project. The two workshops on the GRACIOUS Terminology Harmonizer Wiki were organised, in collaboration with NanoCommons, in May and June 2021. These workshops provided the NanoPAT partners insight into how to use the GRACIOUS platform for internal discussion as well as possible references for potential terminology definitions that have been accepted by their community of peers (i.e., <https://biportal.bioontology.org/>).
- Collaboration with EU-H2020 NanoMECommons project, as follow-up of the OYSTER project to continue synergies under the umbrella of EMCC, exploiting the benefits of standardisation and definition of metadata. NanoPAT participated in their first workshop (Dec. 2021); in addition, this collaboration is also relevant for further activities regarding the development of iCHADA (automatic CHADA) as a structure for metadata, as part of the pre-standardisation activities for the novel technologies being developed in NanoPAT.
- Collaboration with the NMBP-18 sister projects, for identifying common synergies and alignment of resources in the identification of common key collaborators and cooperation points in joint stakeholder engagement activities. The first success story was the participation in the NANOTECHNOLOGY 2021 (July 2021). Further activities are envisaged for 2022.

2. Planned communication and dissemination activities

On 17th February 2022, BNN and TEMASOL organised a virtual *internal Stakeholder Engagement and Exploitation Workshop* with the aim of identifying which kind of activities and events would be relevant for the project partners, their organisations and their work within NanoPAT during the upcoming months for:

- Better target/exploit and communicate their products (on a continuous basis)
- Marketizing their products/technologies
- Creating impact and opportunities with their developments
- Knowing where NanoPAT Technologies can be applied

The workshop required some preparation from the partner's side so that they were prepared to be active on it. Questions were prepared by BNN and TEMASOL, with the support of EXELISIS and circulated prior to the workshop.

To ensure an active virtual interactive workshop, unlock new ideas and work together in real-time, a digital whiteboard collaboration space was used creating a workspace for visual collaboration. The online tool chosen in this case was MURAL⁷. Figure 2 shows the mural after the internal workshop, where it can be appreciated how active the partners were.

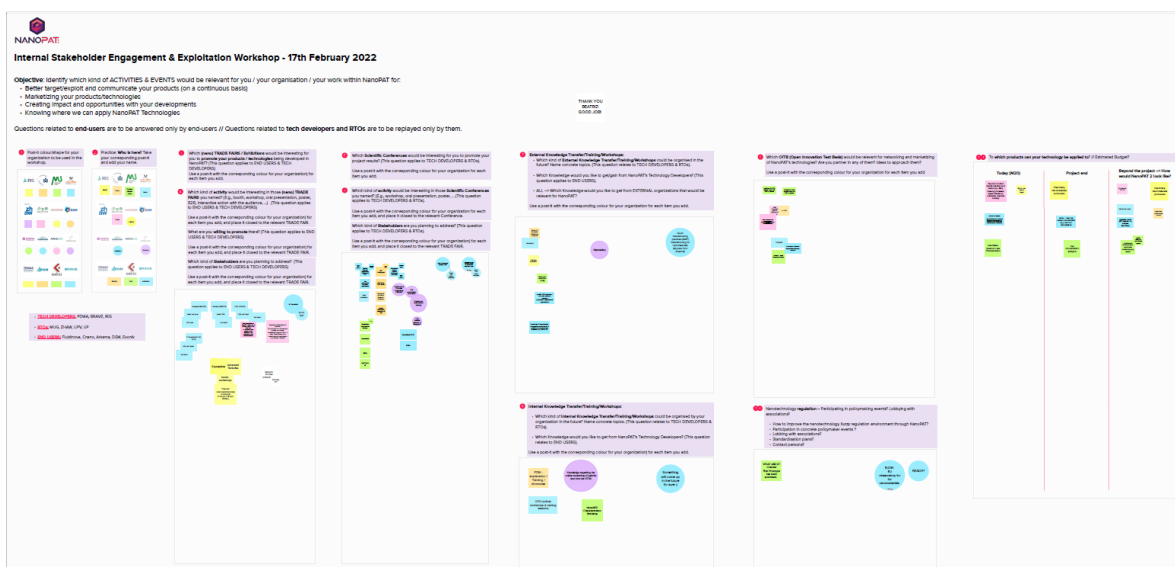


Figure 2: Mural Output of the Stakeholder Engagement & Exploitation Workshop.

All the information from the mural was transferred to an excel list to better handle the information gathering all ideas related to:

⁷ <https://www.mural.co/>

- which events (trade fairs, exhibitions, conferences, ...) project partners are attending/planning to attend and which concrete activity is planned (oral presentation, booth, B2B, workshop, ...)
- which internal/external knowledge transfer activities project partners are planning/would like to have to increase/share/transfer their knowledge
- which concrete activities project partners are planning with identified Open Innovation Test Beds (OITB)

Tables 8 to 11 show the C&D activities have been highlighted from the ideas, suggestions and propositions of the partners during the workshop and that will be the starting point for the following years of the project (2022-2024). Further activities will arise within the upcoming months/years, as the project is more advanced, the technologies are further developed, tested and validated, and the first successes in the pilot implementations are achieved. Future external training will also focus on the benefits of the NanoPAT technologies, such as sustainability issues (lower energy demands, lower material costs). Open Innovation Test Beds represent a big potential for NanoPAT in order to bring the project technologies into the market. Activities with the already identified OITBs have already started and further activities are planned (see Table 11).

The outcome of these activities will increase the visibility of the project and let us interact with potential users/customers.

Table 8: *Planned Trade Fairs / Exhibitions.*

Trade Fairs / Exhibitions			
Name of Activity	What to Promote	Stakeholder addressed	Link
Analytica (21-24 June 2022, Munich)	Joint Booth Presentation of NanoPAT project -	Potential customers	https://analytica.de/en/
Achema (22-26 Aug 2022, Frankfurt)	Joint presentation of NanoPAT project - Booth, B2B	Potential customers	https://www.chema.de/en/
ProcessTeknik 2022 (18-20 Oct 2022, Göteborg, Sweden)	B2B, ev. booth	End users	https://en.processteknik.info/
CPhI worldwide 2022 (1-3 Nov. 2022, Frankfurt)	B2B, ev. booth	End users	https://www.cphi.com/europe/en/attend/register-to-attend.html
PARTEC 2023 (26-28 Sept 2023, Nuremberg, GE)	Joint presentation of NanoPAT project	Potential customers	https://www.partec.info/

In-Cosmetics 2023/2024	Booth, B2B		https://www.in-cosmetics.com/global/en-gb.html
Analytica / Achema / PARTEC - Further editions (2023/2024)	Joint presentation of NanoPAT project - Booth	Show the pilot implementations - End users	https://analytica.de/en/

Table 9: Planned Scientific Conferences / Webinars.

Scientific Conferences / Webinars			
Name of Activity	Planned Activity	Stakeholder addressed	Link
BioNanoNet Gold Member Webinar (31 May 2022, online)	Oral presentation	Academia, industry	https://www.bnn.at/events/bionanonet-goldmember-webinar/
Conference of Chemical Engineering PESXM13 - Panhellenic Scientific Conferences of Chemical Engineering (2-4 June 2022)	Oral presentation and poster Promote Cnano electroplated coatings Find possible partners to collaborate		https://pesxm13.chemeng.upatras.gr/
NanoWeel & Final Conference of NanoCommons (20-24 June 2022, Limassol, Cyprus)	Oral presentation Promotion of TAs	Academia, industry, research organisations, other projects	https://www.nanocommons.eu/nano-week-and-nanocommons-final-conference/
International Polymer Colloids Conference, IPCG2023 - 19-23 June 2023, Ontario, Canada	Oral and poster	Polymer latex producers	https://ipcg.info/ipcg-conference-2022/
32nd Conference of the European Society of Biomaterials (ESB 2022), 4-8 Sept. 2022, Bordeaux, France	Booth, Oral, Poster, Workshop		https://www.esbbordeaux2022.org/
APACT 2022 (11-14. Sept 2022)	Oral presentation		

PAT Kolloquium (19-21 Sept. 2022)	Oral presentation, poster	Companies, other Research institutes	https://arbeitskreis-prozessanalytik.de/veranstaltungen/
NanoInnovation 2022 (20-23 Sept. 2022, Rome)	Training session? Collaboration with CHALLENGES project	Academia, industry	http://www.suschem.org/events
Polymer Reaction Engineering XI, 23-27 October 2022, Arizona	Oral presentation and poster presentation	Latex producers	http://engconf.us/conferences/chemical-engineering/polymer-reaction-engineering-xi/
Conference of the European Society of Biomaterials (ESB) 2023			https://www.esbiomaterials.eu/

Table 10: *Planned Internal & External Knowledge Transfer Activities/Training/Workshops.*

Knowledge Transfer Activities/Training/Workshops	
External	Internal
Course on Emulsion Polymerization Processes, 12-16 September 2022, San Sebastian, Spain	PDW - explanation / Training / showcase
Rerun of Europact Workshop in person - EuroPACT 2023, 7-10 May 2023, Copenhagen	NanoMED Characterization Workshop
MUG to TU-GRAZ (ZFE/FELMI)	Knowledge regarding the online monitoring of particle size from the RTOs
Good manufacturing practices (GMP) manufacturing for nanomaterials (Acquire from External)	OF2i (online) workshops & training sessions
Specific OF2i customer /use case centred trainings: potentials and applicational requirements	
Knowledge: Documentation & regulatory requirements of specific end users/product branches (e.g. 21cfr pt 11?)	

Table 11: *Planned activities with Open Innovation Test Beds (OITB).*

OITB (Open Innovation Test Bed)		
Name of the OITB	Contact/Link	Planned Activity
BIOMAC (NMBP-04-2020 (IA))	https://www.biomac-oitb.eu/en/normal/home	Meeting to be organised to identify synergies and define potential common activities. IRIS tried to establish contact. No answer until the time of writing this deliverable.
Bionanopolys – NMBP-04-2020 (IA)	https://www.bionanopolys.eu/	Meeting to be organised to identify synergies and define potential common activities. IRIS tried to establish contact. No answer until the time of writing this deliverable.
OPAT Transferlab (part of Uni Potsdam)	https://www.uni-potsdam.de/en/innovative-hochschule/technologiecampus/joint-labs/joint-lab-opat-optische-prozessanalysetechnologien	First activity: joint workshop to be organised Sept/Oct 2022
LightCOCE (NMBP-01-2018 (IA))	https://www.lightcoce-oitb.eu/en/normal/home	Organising an event between the LightCOCE OITBs and the technology developers of NanoPAT in September/October 2022
Phoenix	www.phoenix-oitb.eu	BNN/MUG/BRAVE - Refresh connexion with BRAVE and standardise to all project

All these activities (participation in scientific conferences, exhibitions/trade fairs, organisation of Internal & External Knowledge Transfer Activities/Training/Workshops and interaction and exchange with identified OITB) that are planned for the upcoming months of the project aim to increase the interest of the identified stakeholders on the PATs, to train users of the project technologies so that they are able to safely and efficiently operate the corresponding instruments, to collaborate bilaterally, and to increase the exploitation potential of the project outcomes.

Conclusions

Since the beginning of the project, NanoPAT and its partners have been very active in the tasks of raising awareness, promoting the project and its activities as well as trying to interact with potential stakeholders. The main 53 activities of the project have been highlighted in the News section of the project webpage and additional 13 articles have been published in other external websites and blogs. NanoPAT partners have organised 5 workshops, participated in a total of 28 conferences/workshops (23 oral presentations and 10 poster presentations), published 4 own newsletters and further 8 articles in BNN and NSC newsletters, and generated 6 video materials, as well as a good dissemination pack that is being used for the promotion of the project (flyer, general poster, general project slides, roll up ...). Additionally, 11 internal and 7 external knowledge transfer and training activities were carried out within the project partners (Consortium partners) and/or with external stakeholders, generating a total of 6 training materials that will be published on the project website. All relevant public materials are available for the wider community on the project webpage and additionally in the NanoPAT Community in Zenodo and in the NanoPAT YouTube Channel.

Summing up, the project has been very active in these first 24 months. As the project evolves and more developments are carried out and the technology is being transferred from the technology providers to the RTOs (and then further to the end users), more activities will be possible as participation in scientific conferences, exhibitions and trade fairs, organisation of internal & external Knowledge Transfer Activities/Training/Workshops and interaction and exchange with identified OITB to increase the exploitation potential of NanoPAT outcomes. As a result of continuously engaging with their community of peers, NanoPAT partners have also benefited from the support received in the area of data and metadata structure, product processes, and pre-standardisation activities, through the collaboration with other EU funded projects.

Annex 1 - List of NanoPAT Social Media postings form NanoPAT's account (M2 - mid M24)


This table contains the Social Media postings done by NanoPAT in its Social Media channels, Twitter and LinkedIn, since the establishment of NanoPAT in Social Media (M2 - July 2020).

Project Runtime	Date (dd.mm.yyyy)	Description of Activity	Text Template (Twitter & LinkedIn)
M2	21.07.2020	Launching of Social Media	The @EU_2020 @nanoPAT_project started in June 2020! NanoPAT - Process Analytical Technologies for Industrial Nanoparticle Production @EU_Commission #H2020 2020 #PAT #nanoparticle #production
M5	15.10.2020	Launching of Project Website	PARTY ICON We are thrilled to announce the launch of @nanoPAT_project's brand new website! LAPTOP ICON Discover us: www.nanopat.eu LOGO SMILY WITH MONOCLE The website informs you about our team and the project, including our three PATs and five case studies, and we introduce you our partners. #nanopat #H2020 #PAT #website #websitelaunch #newwebsite #hasthags @handles (--> Bild mit Website Mockup)
M5	19.10.2020	Newsletter Subscription Post	Get our @nanoPAT_project #NEWSLETTER! You would like to get the latest news straight to your inbox? Then sign immediately up for our #newsletter so that you never miss our #latest #news! Subscribe here: https://mailchi.mp/41ac0f1a9a94/n3880lt1od #nanopat #subscribe #keeponlearning #updates
M5	28.10.2020	PAT PDW	Photon Density Wave Spectroscopy is an inline process analytical technology (PAT) capable of calibration-free quantification of light absorption and light scattering in highly turbid, highly concentrated liquid dispersions. Partner lead: PDWA Left-pointing magnifying glass https://bit.ly/2HKBuTx #NanoPAT



M6	02.11.2020	PAT OF2i	<p>OptoFluidic Force Induction is the highly sensitive online particle characterization method based on actively induced photonic and fluidic forces. It provides real-time process monitoring data.</p> <p>Partner lead: @MedUniGraz</p> <p>https://bit.ly/34OkZhV</p> <p>#NanoPAT #PAT #OF2i</p>
M6	11.11.2020 (jag)	PAT TUS	<p>Turbidity Spectrometry (TUS) is a flexible optical technique for monitoring the evolution of suspending particles which size ranges from approx. 100 nm up to few microns.</p> <p>Our expert is the #projectpartner @IRIS.</p> <p>More info: https://www.nanopat.eu/process-analytical-technologies/turbidity-spectrometry/</p> <p>#NanoPAT #PAT #TUS</p>
M6	18.11.2020 (jag)	Case Study 1	<p>In @nanoPAT's Case Study 1, 2 Process Analytical Technologies, PDW and TUS, are applied to follow and control the nanoparticle formation in the production of polymers.</p> <p>Partner leading: @DSM</p> <p>More info: https://www.nanopat.eu/case-studies/case-study-1/ (link to be shortened!!)</p> <p>#NanoPAT #CaseStudy #nanoparticle #polymers #PAT #PDW #TUS</p>
M6	25.11.2020 (jag)	Case Study 2	<p>@nanoPAT's Case Study 2 is about real-time in-situ monitoring of the genesis of nanostructured silica under different precipitation conditions using the optical techniques, PDW and TUS.</p> <p>Partner lead: @EVONIK</p> <p>More info: https://www.nanopat.eu/case-studies/case-study-2/ (link to be shortened!)</p> <p>#NanoPAT #CaseStudy #CaseStudy2 #nanoparticle #silica #PAT #PDW #TUS</p>
M6	30.11.2020 (jag)	1st NEWSLETTER published	<p>First issue of NanoPAT #newsletter available now!</p> <p>► https://nanopat.eu/wp-content/uploads/2020/11/NanoPAT-Newsletter-01.pdf</p> <p>read about ➡ the partner presentations</p> <p>@bionanonet & @iris_rd, other highlights & news and where you can meet us!</p> <p>Not yet registered for the @nanoPAT_project newsletter?</p> <p>➡ https://mailchi.mp/41ac0f1a9a94/n3880lt1od</p>



M7	2.12.2020 (jag)	Case Study 3	<p>In Case Study 3, Nanohydroxyapatite particle size characterization will be done using the online OptoFluidic induction (OFi2) technology.</p> <p>Partner lead: @FLUIDINOVA</p> <p>More info: https://www.nanopat.eu/case-studies/case-study-3/</p> <p>#NanoPAT #CaseStudy #CaseStudy3 #nanoparticle #hydroxyapatite #OF2i #PAT</p>
M7	9.12.2020 (jag)	NanoPAT Flyer	<p>Discover our recently published @nanopat_project flyer!</p> <p> https://www.nanopat.eu/flyer</p> <p>@EU_H2020 @EU_Commission @iris_rd #Nanotechnology #nanomaterials #nanoengineering #NMcharacterization #NMproduction #CaseStudy #PAT #H202A</p> <p>alle Partner im Bild markieren</p>
M7	16.12.2020 (jag)	Case Study 4	<p>The point in Case Study 4 is the continuous inline characterisation for the manufacturing of zeolites in batch and continuous systems using the PDW technique.</p> <p>Partner lead: @Arkema_fr</p> <p>More info: https://www.nanopat.eu/case-studies/case-study-4/ (link to be shortened)</p> <p>#NanoPAT #CaseStudy #CaseStudy4 #nanoparticle #Zeolite #PDW #PAT</p>
M8	7.1.21 (jag)	Case Study 5	<p>Case Study 5 addresses the monitoring of ceramic nanoparticle suspensions in pilot scale production of nanocomposite coatings, applying OF2i & TUS monitoring technologies.</p> <p>Partner lead: @Cnano</p> <p>More info: https://www.nanopat.eu/case-studies/case-study-5/ (link to be shortened)</p> <p>#NanoPAT #CaseStudy #CaseStudy5 #nanoparticle #ceramic #PAT #OF2i #TUS</p>
M8	13.1.21 (jag)	1 project partner IRIS	<p>The @nanopat_project #coordinator is @iris_rd with a technical core role leading the development of a turbidity spectrometry (TUS) based optical sensor and providing the data gathering platform for all the proposed PAT.</p> <p>More information: Link to partner @NanoPAT webpage</p> <p>#NanoPAT #H2020 #coordinator #PAT #TUS</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>



M8	20.1.21 (jag)	2 project partner UP	<p>As RTO #projectpartner, @unipostdam works in the field of optical process analysis and application and are responsible for the Silica case study and application of Photon Density Wave Spectroscopy (PDW-Spectroscopy).</p> <p>More information: Link to partner @NanoPAT webpage</p> <p>#NanoPAT #H2020 #UP #PAT #PDW #nanomaterials #silica #CaseStudy</p> <p>Add IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M8	27.1.21 (jag)	3 project partner MUG	<p>The @MedUniGraz contributes to @nanopat_project by providing reference methods and validation know how for the BRAVE Analytics PAT sensor prototype, based on the proprietary real time OF2i Technology.</p> <p>More information: https://www.nanopat.eu/team_nanopat/medizinische-universitat-graz-mug/</p> <p>#NanoPAT #MUG #PAT #OF2i #BRAVEanalytics</p> <p>Add IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M9	3.2.21 (jag)	4 project partner UPV/EHU	<p>In charge of the lab scale production of polymeric dispersions is the #projectpartner @upvehu. Synthesis of polyacrylate and polyurethane dispersions will be monitored by PDW and TUS, before the scaling-up in @DSM.</p> <p>More information: Link to partner @NanoPAT webpage</p> <p>#NanoPAT #PAT #PDW #TUS #nanomaterials #polymers #CaseStudy</p> <p>Add Hashtags and Handles</p> <p>Add IMAGE</p>
M9	8.2.21 (bh)	EXTRA: FLUIDINOVA video	<p>nanoPAT_project partner @FLUIDINOVA is a leader company in the production of #nanohydroxyapatite for biomedical and oral care applications. In their new video you learn more about their work.</p> <p>Watch here: https://youtube.com/watch?v=IhzFPYVT8yk</p> <p>#OptoFluidic #H2020</p> <p>@MedUniGraz</p>
M9	10.2.21 (jag)	5 project partner ZHAW	<p>The #projectpartner @ZHAW investigates inline Photon Density Wave Spectroscopy (PDWS) for zeolites synthesis in order to enable continuous production on an industrial scale.</p>



			<p>More information: Link to partner @NanoPAT webpage</p> <p>#NanoPAT #ZHAW #PAT #PDW #IndustrialChemistry #nanomaterials #zeolite</p> <p>Add Hashtags and Handles</p> <p>Add IMAGE</p>
M9	17.2.21 (jag)	6 project partner PDWA	<p>Twitter: --> PDW Analytics in Twitter: Sie sind nicht in Twitter!!</p> <p>'Our partner #PDW_Analytics (PDWA) is responsible for further development of the PDW technology for case study and pilot plant experiments and for identifying necessary changes of the experiments.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #PDWA #PAT #PDW</p> <p>#PhotonDensityWaveSpectroscopy #PDW-Spectroscopy #inline #PAT #processanalyticaltechnologies #process #opticalspectroscopy #laserspectroscopy #appliedanalytics</p> <p>LinkedIn: --> PDW Analytics in LinkedIn: https://www.linkedin.com/company/pdw-analytics-gmbh/</p> <p>'Our partner @PDW Analytics is responsible for further development of the PDW technology for case study and pilot plant experiments and for identifying necessary changes of the experiments.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #PDWA #PAT #PDW</p> <p>#PhotonDensityWaveSpectroscopy #PDW-Spectroscopy #inline #PAT #processanalyticaltechnologies #process #opticalspectroscopy #laserspectroscopy #appliedanalytics</p> <p>Add Hashtags and Handles</p> <p>Add IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M9	23.2.21 (jag)	7 project partner ANALISIS-DSC	<p>Text für Twitter:</p> <p>Project partner Analisis-DSC develops basic engineering and CFD simulation tasks for upscaling processes, based on their know-how and expertise on simulation tools and previous experience on the H2020 @Ibd - Intensified by Design project.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #ANALISIS-DSC #CDFsimulation</p> <p>ADD IMAGE</p>



			<p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p> <p>Text für LinkedIn:</p> <p>Project partner @ANALISIS-DSC is an engineering services company, partner at the #NanoPAT @EU_H2020. We will develop basic engineering and CFD simulation tasks for upscaling processes, based on our know-how and expertise on simulation tools and previous experience on the H2020 @Ibd - Intensified by Design project.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #ANALISIS-DSC #CDFsimulation</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M10	3.3.21 (jag)	8 project partner DSM	<p>For the development of innovative and sustainable coatings solutions in flexible production assets that will demonstrate the potential of the sensor technology in pilot scale emulsion polymerizations is responsible the #projectpartner @DSM #Resins.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #DSM #coatings #nanomaterials #polymers</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M10	10.3.21 (jag)	EuroNanoForum	<p>2 days left to register for EuroNANOforum taking place from 4 - 6 May 2021 in Braga, Portugal! Programme & registration: http://euronanoforum2021.eu</p> <p>💡 Find out about the role of #nanotechnology and #advancedmaterials for EU's recovery at this year's #EuroNanoForum!</p> <p>Programme & registration: http://euronanoforum2021.eu</p> <p>#InvestEURResearch #ENF2021</p>
M10	17.3.21 (jag)	9 project partner EVONIK	<p>One of the large industry partners in @NanoPAT_project is @Evonik. Their industrial precipitation process, being a leading Silica producer, will be examined as one large scale case study.</p> <p>More information: https://www.nanopat.eu/team-nanopat/evonik-industries-ag-evonik/</p> <p>#NanoPAT #Evonik #CaseStudy #silica #nanomaterials</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, @Evonik ...</p>



M10	14.3.21 (jag)	10 project partner FLUIDINOVA	<p>Partner @FLUIDINOVA is responsible for the synthesis of hydroxyapatite nanoparticles. Together with @MedUniGraz, @FLUIDINOVA is involved in the upscaling of OF2i technique in the hydroxyapatite industrial pilot plant.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #FLUIDINOVA #CaseStudy #hydroxyapatite #PAT #OFi2</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M10	29.3.21 (bh)	BNN Newsletter	<p>NanoPAT got featured in the 50th BNN - BioNanoNet Forschungsgesellschaft mbH newsletter (pages 37-39)! 🎉</p> <p>Go ahead and check it out here:</p> <p>https://lnkd.in/dTi2SiU ➡</p> <p>#newsletter #NanoPAT</p>
M11	7.4.21 (jag)	11 project partner ARKEMA	<p>The zeolite production from @Arkema_fr is one of the case studies. Arkema will provide reference materials for the development of PDWS and will implement and test the technology in a zeolite pilot plant.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #ArkemaFrance #CaseStudy #zeolite #PAT #PDW</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M11	14.04.2021 (BAS)	Retweet of Video of assembly Device BRAVE B1	<p>Live assembly of the BRAVE B1: @nanopat_project specific (industrial proof) #prototype of BRAVE Analytics GmbH to be used for monitoring #hydroxyapatite, #TiO2 and #SiC in the #RTO industrial pilots @CreativeNanoGR and @FLUIDINOVA!</p> <p>https://www.linkedin.com/posts/brave-analytics-gmbh_brave-b1-assembly-activity-6783393225722916865-H_fL/</p> <p>#braveanalytics #OFi2</p>
M11	21.04.2021 (jag)	12 project partner Cnano	<p>Creative Nano will contribute to NanoPAT by providing its electroplating pilot line for the detection of the NPs in the bath, by application of the OF2i (BRAVE) & TUS (IRIS) monitoring technologies.</p> <p>The corresponding hashtags #nanomaterials #nanocomposites #electroplating #surface treatment</p> <p>Handles for Twitter: @CreativeNanoGR</p> <p>Profile for LinkedIn:</p> <p>https://www.linkedin.com/company/creative-nano/</p>



M11	26.4.21 (jag)	BRAVE Video Cnano	<p>Our @nanoPAT_project partner BRAVE Analytics GmbH is in full preparation for online, real time #particle size #characterization of #highperformance #nano #coatings Ok hand.</p> <p>Watch the video Eyes: https://youtube.com/watch?v=_-ZK337Gv_s</p> <p>#NanoPAT @EU_Commission #H2020</p>
M11	28.4.21 (jag)	new coordinator	<p>We would like to welcome our new NanoPAT project coordinator Ioannis Kakogiannos from IRIS...."</p> <p>Linkedin: https://www.linkedin.com/in/ioannis-kakogiannos-28170633/</p> <p>Twitter: keinen Account</p>
M12	5.5.21 (jag)	BNN	<p>The #projectpartner @bionanonet is NanoPAT's Communication and Dissemination Manager. Furthermore, responsible for nanosafety assessment and elaboration of SbD guidelines. They contribute to standardisation issues for NanoPAT solutions.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #communication #standardisation</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M12	12.5.21 (jag)	project partner EXEL	<p>For Twitter:</p> <p>Located in Athens (FLAG?), @EXELISIS is an engineering-based consulting company. EXEL's contributes mainly to the exploitation and innovation of @NanoPAT.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #exelisis #businessdevelopment #innovationmanagement</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p> <p>For LinkedIn:</p> <p>@EXELISIS is an engineering-based consulting company located in Athens, Greece. EXELISIS was created by a group of engineers and entrepreneurs with extensive experience in business development and innovation especially emphasizing in the materials and energy field. Their main contribution will be to exploitation and innovation related activities, in WP8 of the project. In particular, EXEL will lead tasks 8.1 and 8.4, dealing with Innovation and Open-innovation Management and Knowledge and Data Management respectively. At the same time EXEL, has a supporting role in various tasks within WP7 and WP8.</p> <p>More information: Link to partner @Nanopat website</p>



			<p>#NanoPAT #exelisis #businessdevelopment #innovationmanagement</p> <p>LinkedIn page of EXEL to tag: https://www.linkedin.com/company/exelisis-pc/</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, @EXELISIS ...</p>
M12	19.05.2021 (jag)	project partner BRAVE	<p>* For Twitter:</p> <p>BRAVE Analytics GmbH, a @MedUniGraz Spin-off, provides customized OF2i based real-time PAT sensor prototypes for investigating the process monitoring performance in the @nanopat_project case studies.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #brave #braveanalytics #MUG #PAT #OF2i</p> <p>* For LinkedIn:</p> <p>@BRAVE Analytics GmbH, a @MedUniGraz Spin-off, provides customized OF2i based real-time PAT sensor prototypes for investigating the process monitoring performance in the @nanopat_project case studies.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #brave #braveanalytics #MUG #PAT #OF2i</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, @BRAVE ...</p>
M12	26.05.2021 (jag)	project partner TEMASOL	<p>Our @nanoPAT project partner #Temas Solutions GmbH (TEMASOL) leads the workpackage "Market Strategy & Innovation Impacts and is also involved in other NanoPAT workpackages.</p> <p>More information: Link to partner @Nanopat website</p> <p>#NanoPAT #PDWA #PAT #PDW</p> <p>#PhotonDensityWaveSpectroscopy #PDW-Spectroscopy #inline #PAT #processanalyticaltechnologies #process #opticalspectroscopy #laserspectroscopy #appliedanalytics</p> <p>ADD IMAGE</p> <p>Other Tags @ image: @EU_H2020, @EU_Commission, @NanoPAT, ...</p>
M13	2.6.21 (jag)	NEWSLETTER #2	<p>Second issue of @nanoPAT_project #newsletter out now!</p> <p>► https://www.nanopat.eu/wp-content/uploads/2021/06/NanoPAT_Newsletter_2.pdf</p> <p>We are happy to share with you</p>



			<p>→ highlights & news</p> <p>→ presentations of our partners @unipotsdam & BRAVE Analytics</p> <p>→ events where you can meet us</p> <p>REGISTER now 📧: https://lnkd.in/eQ3Ppcj</p>
M13	9.6.21 (jag)	Testimonial #1 DSM	<p>Check out what our partner Ron Peters, principal scientist from @DSM Coating Resins, says about @nanopat_project!</p> <p>Visit NanoPAT website to learn more about our project: https://www.nanopat.eu/</p> <p>#hashtags @handles</p>
M13	15.6.21 (jag)	NanoSwiss Conference	<p>Save the date for the Swiss NanoConvention 2021: 24 - 25 June!</p> <p>For agenda & registration visit Right pointing backhand index https://2021.swissnanoconvention.ch</p> <p>#conference #online #registernow #bepartofit #nanotechnology</p>
M13	16.6.21 (jag)	innoFSPEC Virtual Lab Tour	<p>Curious about the facilities of #innoFSPEC lab? Let's have a look into its lab!!</p> <p>https://www.nanopat.eu/innofspec-virtual-lab-tour/</p> <p>@NanoPAT @unipotsdam #PDW_Analytics</p>
M13	15.6.21 (beatriz)	BRAVE B1 update / Process	<p>LinkedIn Beitrag von Brave teilen: https://www.linkedin.com/posts/brave-analytics-gmbh_nano-startup-braveinsights-activity-6809043312104796161-QfM7/</p> <p>Status in April 2021: starting the assembly process of the BRAVE B1 device“.</p> <p>Video: https://youtu.be/FYamYBlpZL4</p> <p>Status in June 2021: Assembly of the BRAVE B1 has been accomplished</p>
M13	22.6.21 (jag)	NanoPAT @ EuroNanoForum	<p>Our partners @TEMASOL, #BRAVE, @UniverstätPotsdam and #PDW_Analytics were at the #EuroNanoForum2021. Check what they shared!</p> <p>Add link: https://www.nanopat.eu/nanopat-euronanoforum-2021-5-6-may-2021/</p> <p>#ENF #conference #nanotechnology #advancedmaterials #PAT #standardisation</p>
M13	29.06.2021 (BAS)	General Meeting M12	<p>We have just had our @nanopat M12 General Meeting M12! Great team that has led to a fantastic progress in all WPs in this first year!</p> <p>Add screenshot of the meeting: Group picture</p>






			#PAT #NMcharacterization #Nanotechnology #nanoengineering #nanomaterials #NMproduction
M13	30.6.21 (jag)	Visit of POLYMAT at UP	Team @NanoPAT on tour: @Usue Aspiazu, from #POLYMAT/@upvehu, has visited the @unipotsdam / #innoFSPEC Lab for training purposes on PDW spectroscopy! Add Foto https://www.nanopat.eu/visit-of-polymat-to-up/ #PAT #PDW_Spectroscopy #characterisation #polymer #synthesis
M14	7.7.21 (jag)	Visit of IRIS at POLYMAT/UPV	'Team @NanoPAT on tour: @Nicola Palombo, from @iris_rd, has visited #POLYMAT/@upvehu! Turbidity Spectrometry (TUS) equipment successfully installed, tested and calibrated and ready for POLYMAT to analyse the polymer particle size. Add Foto: IMG_0272.jpg (siehe Desktop Simone) #PAT #TUS #characterisation #polymer #particlesize #cooperation #knowledgetransfer #training #communication
M14	8.8.21 (bas)	UP @ NanoTEXnology	Don't miss Marvin Münzberg, @unipotsdam, presenting @nanoPAT_project at @NANOTEXNOLOGY_ !! 8th July - #ISFOE21 session about "Open Innovation, Standardization & Business Development". #nanoPAT #PAT #nanotechnology #nanoengineering #nanomaterials #NMcharacterization #NMproduction
M14	14.7.21 (bh)	Transfer of FLU&Cnano to BRAVE/MUG	Despite COVID-19 and its side-effects, our fierce partners have managed to transfer two @nanoPAT_project specific industrial use cases (from the partners @FLUIDINOVA S.A. and @CreativeNanoGR) to the BRAVE Analytics GmbH/@MedUniGraz laboratories! 🙌 https://www.nanopat.eu/transfer-from-fludinova-cnano-to-mug-brave/
M14	22.7.21 (bh)	VOTE for Web Awards	"Our NanoPAT website got nominated for the EURid eu. Web Awards 🏆 Help us & vote for us now! 👉👉 https://bit.ly/3klvJqz #webdesign #awards #govote"
M15	11.08.21 (bh)	Visit of ZHAW at UP	Despina Emmanouilidou from @ZHAW was visiting @unipotsdam for training & networking purposes within the @nanoPAT_project. Aim of the visit was an intensive training by PDWS experts, with a focus on zeolite synthesis and first experiments with offline and inline #PDWS. 🧑🔬 https://www.nanopat.eu/visit-of-zhaw-at-up/




M15	25.8.21 (jag)	Cnano video	Interested in how the electroplating pilot line for nanocomposites of @CreativeNanoGR, industrial partner of @NanoPAT, looks like? Have a look here: https://youtu.be/EgFI1LoLETo https://www.nanopat.eu/video-cnano-pilot-line/ #PAT #OF2i #TUS #characterisation #electroplating #pilotline #nanocomposites #ceramics
M15	31.08.2021 (jag)	SSbD presentation from Andi Falk at GIS2021	Watch Andreas Falk's talk about "Safety and Sustainability by design" held at the Global Innovation Summit! His presentation starting at 1:30 h: https://www.youtube.com/watch?v=_uQVhVR6mUw
M16	08.09.2021 (jag)	nanoPAT_project interactive workshop, 15 Nov. 21	SAVE THE DATE - @nanoPAT_project interactive workshop on our 3 novel complementary real-time in situ particle size characterisation technologies! WHEN: 15th Nov. 2021 – 13:00–16:00h CEST WHERE: Online Register here: https://dechema.converia.de/frontend/index.php?sub=539 Bildchen: Logo_Europact_2021_96dpi.jpg (756×386) (dechema.de) mit den NanoPAT Logo drauf??
M16	16.09.2021 (jag)	Course on Emulsion Polymerization Processes	We wish our project partner @upvehu / #POLYMAT a successful Course on Emulsion Polymerization Processes! Information source https://nanopat.eu/course-on-emulsion-polymerization-processes
M16	22.09.2021 (jag)	5th European Conference on Process Analytics and Control Technology	RETWEET of https://www.linkedin.com/posts/arbeitskreis-prozessanalytik_europact2021-pat-workshop-activity-6843193344475066368-Nddh NanoPAT website: https://www.nanopat.eu/events/europact2021/
M16	23.09.2021 (bas)	Workshop @ NanoInnovation 2021	Don't miss @nanoPAT_project SbD expert, Blanca Suarez from #TEMASOL, tomorrow: "Safe-by-Design for risk management of nanomaterials in industrial production processes" #workshop @ #NanoInnovation2021 conference! Info: https://bit.ly/3kycE9S Registration: https://bit.ly/3hZ66j9 Tag: EU_HaDEA, nano_events, EU_Commission
M16	29.09.2021 (jag)	Visit of TEMASOL at UPV/POLYMAT	Blanca Suarez from TEMAS Solutions was visiting #POLYMAT/@upvehu for the identification of safety issues relevant for the @nanoPAT technologies. https://www.nanopat.eu/visit-of-temasol-at-upv-polymat/



			<p>Add Foto</p> <p>#nanoPAT #PAT #SbD #riskassessment #nanosafety #occupationalexposure</p>
M17	6.10.21 (jag)	NanoPAT @ BNN Newsletter	<p> NanoPAT was featured in the new @bionanonet newsletter!</p> <p>Check it out here!</p> <p>https://www.nanopat.eu/nanopat-bnn-newsletter-september-2021/</p> <p>!! If you have not subscribed to the BNN newsletter yet, click here: https://mailchi.mp/986d2c1e28e1/bnn-newsletter</p>
M17	06.10.2021 (bas)	Innovation Committee #01	<p>Today, @bionanonet, #TEMASOL & #EXELISIS discussed together about the Exploitation & Dissemination activities of @nanoPAT_project to boost the innovation potential of the project and its technologies!</p> <p>Add screenshot</p> <p>#InnovationCommittee #PAT #characterisationtechnology #nanoparticleproduction</p>
M17	13.10.21 (jag)	Handover of PAT devices	<p>The PAT devices developed by the tech providers BRAVE ANALYTICS, PDW Analytics & @iris_rd have successfully been handed over to the different RTO pilots 🙌!</p> <p>Congrats 🎉 to the @nanoPAT_project team that has been hardly working during the summer months!</p> <p> https://www.nanopat.eu/pat-devices-delivered-to-the-rto-pilots</p> <p>Add ein Fotocollage with the 3 deliveries and the NanoPAT logo!</p> <p>Tag BRAVE, PDWA, IRIS, UPV/POLYMAT, MUG, UP/innoFSPEC, ZHAW im Foto!</p>
M17	21.10.21 (bh)	Testimonial #2 FLUIDINOVA	<p>Check out what our partner Paulo Quadros from @FLUIDINOVA says about @nanoPAT_project! 💬</p> <p>👉 Visit NanoPAT website to learn more about our project: https://www.nanopat.eu/</p> <p>#nanoPAT #nanomaterials</p>
M17	27.10.21 (bh)	Testimonial #3 EVONIK	<p> See what our partner Thomas Pelster, Vice President R&D Precipitated Oxides from Evonik says about NanoPAT!</p>



			 Visit the NanoPAT website to learn more about our project: https://www.nanopat.eu/ #nanomaterials #h2020
M18	03.11.2021 (bas)	Reminder PAT workshop @ EuroPACT	Register now for the PAT Workshop that @nanoPAT_project is giving on 15th Nov. @ #EuroPACT2021: 👉 PDW 👉 OF2i 👉 TUS More information here: https://nanopat.eu/events/europact2021/ Register here: https://dechema.converia.de/frontend/index.php?sub=539 @Nano_Events #workshop #PAT #characterizationtechnologies
M18	4.11.2021 (jag)	NanoPAT @ NSC newsletter #24	! 🗣️ @nanoPAT_project was included in the new @EUNanoSafety. You can find the article about the project on page 10. 👁️ https://www.nanopat.eu/nanopat-nanosafety-cluster-newsletter-24/ #hashtags...
M18	10.11.21 (jag)	Testimonial #4 ARKEMA	Curious about what our partner Jean-Luc Dubois, scientific director of @Arkema_fr says about our NanoPAT project Thinking face? Read below Smiling face with smiling eyes! Visit also our @nanoPAT_project website to learn more about the whole project: https://nanopat.eu #project #partner #particles #measurement
M18	11.11.21 (jag)	nanoMECommons workshop	Wondering what @nanoPAT_project & #PAT4nano have to say about real-time Process Analytical Technologies (PAT)? Do not miss the @commons_me workshop on Dec 10th! Registration here: https://www.nanomecommons.net/events/



M18	17.11.21 (bas)	EuroPACT2021 conference posters	<p>Have a Augento the @nanoPAT_project posters at the #EuroPACT2021 conference:</p> <ul style="list-style-type: none"> • Poster 5, from @ZHAW • Poster 29, from #BRAVEAnalytics • Poster 33, from @unipotsdam <p>Vote here for the best: https://europact2021.virtual-venue.io/poster#PAT#characterizationtechnologies#nanoparticles</p>
M18	24.11.2021 (jag)	Testimonial #5 Creative Nano	<p>Check out what our partner Alexandros Zoikis-Karathanasis, CEO of @CreativeNanoGR, says about our @nanoPAT_project!</p> <p>We invite you 🤝 to visit our NanoPAT website to learn more about the project 📄 https://www.nanopat.eu</p> <p>#electroplating #nanotechnology #nanoparticles</p>
M19	1.12.2021 (jag)	NanoPAT @EuroPACT 2021	<p>In case you missed the #EuroPACT2021 conference, you can read about @nanoPAT_project's role here: https://www.nanopat.eu/nanopat-europact-2021</p> <ul style="list-style-type: none"> 👉 PAT Workshop 👉 Oral presentation 👉 4 posters <p>#conference #workshop #presentations #pat #nanopat #pdw_spectrometry #of2i #tus</p>
M19	02.12.2021 (bh)	NEWSLETTER #3	<p>3rd issue of @nanoPAT_project #newsletter out now!</p> <p>📄 https://www.nanopat.eu/wp-content/uploads/2021/12/NanoPAT_Newsletter_3.pdf</p> <p>We are happy to share with you</p> <ul style="list-style-type: none"> ✓ highlights & news ✓ presentations of our partners @MedUniGraz & @POLYMAT_BERC ✓ events where you can meet us <p>Don't forget to register 📄 https://mailchi.mp/41ac0f1a9a94/n3880lt1od</p>






M19	03.12.2021 (bh)	Nanopat @ Sience and Technology Congress	👤 Usue Aspiazu from @upvehu/@POLYMAT_BERC presented the first results of her studies in the @nanoPAT_project Case Study 1 on in-line monitoring of emulsion polymerization reactions to produce polyacrylate dispersions at the Science and Technology Congress in Bilbao on Nov 30th.
M19	07.12.2021 (jag)	NanoMECommons WS	<p>Last call to register for the #nanoMECommons workshop on 13 December 😊</p> <p>For #registration & the #agenda visit https://www.nanopat.eu/events/1st-co-creation-workshop-of-the-nanomecommons-project</p>
M19	15.12.21 (jag)	WP presentations	<p>We are going to present our 9 WORKPACKAGES during the upcoming weeks to you ... stay curious 😊</p> <p>For more information 💡 about @nanopat's work plan visit https://www.nanopat.eu/work-plan</p> <p>@nanoPAT_project #workpackages #staytuned</p>
M19	20.12.21(bas)	2nd Innovation Committee Meeting	<p>Today, @bionanonet, #TEMASOL & #EXELISIS met virtually to discuss the further steps to boost the innovation potential of the @nanoPAT_project and its technologies!</p> <p>Add Foto</p> <p>#InnovationCommittee #NanoPAT #euh2020 #H2020 #PAT #characterisationtechnology #nanoparticleproduction</p>
M19	21.12.21 (bh)	NanoPAT @ BNN Newsletter	<p>📰 NanoPAT was featured in the new @bionanonet newsletter!</p> <p>➡ Read more about it here: https://www.nanopat.eu/nanopat-bnn-newsletter-december-2021/</p> <p>!!</p> <p>You haven't subscribed to the BNN newsletter yet? Then do it now! https://mailchi.mp/986d2c1e28e1/bnn-newsletter</p>
M19	22.12.2021 (jag)	Happy Holidays	<p>May the festival of lights bring blessings upon you and all your loved ones 🌟.</p> <p>May the new year be the beginning of a new chapter.</p> <p>This is your year 🙌. Make it happen 💪!</p> <p>#NanPAT #HappyHolidays #SeasonsGreetings #BeHappy #StayHealthy</p>






M19	23.12.2021 (bh)	NanoMECommons Workshop	<p>NanoPAT's coordinator, Ioannis Kakogiannos, was an invited speaker on 13th Dec. in the last @commons_me workshop on Materials #characterization challenges to support the #industry transition in the #digital era. 🗨️</p> <p>➡️ Read more: https://www.nanopat.eu/nanopat-nanomecommons-workshop/#PAT</p>
M20	12.1.22 (jag)	WP1	<p>NanoPAT partner Universidad del País Vasco/Euskal Herriko Unibertsitatea is in charge of the #workpackage:</p> <p>"Definition of the nano-monitoring technologies requirements" 👍.</p> <p>They translate industry-led PAT challenges into a catalogue of lab specifications to guide the innovation work in other workpackages 🙌.</p> <p>Wanna learn more about it? Visit our website 🗨️: https://www.nanopat.eu/work-plan</p> <p>#nanomonitoring #PAT European Commission European Health and Digital Executive Agency (HaDEA)</p>
M20	13.1.22 (bas)	Review Meeting 1 posting	<p>Today we @nanoPAT_project had the chance to present our Project Officer @yanarisortega & Expert John Parthenios the progress & achievements within the project during the first reporting period!</p> <p>Happy to have such a great Consortium to bring our research further!</p> <p>#eufunding #h2020 #reviewmeeting</p> <p>@hadea @european commission</p>
M20	19.1.22 (jag)	WP2	<p>The WPs "Photon Wave Density Spectroscopy (PDW) Development", led by PDW Analytics GmbH, set up the lab-test environment for the corresponding Case Studies, conducts the RTO pilots tests and plans the upscaling for semi-industrial pilot plan.</p> <p>#PAT #PDW_Spectrometry #CaseStudy #nanoparticles #Silica #Zeolite #Polymer</p> <p>@PDWA @EVONIK @ARKEMA @DSM</p>
M20	26.1.22 (bh)	NanoWeek2022 retweet	<p>nanoPAT_project will participate in the #NanoWeek2022. 🗨️ Submit your abstract now!</p>
M20	26.1.22 (jag)	WP3	<p>Do you know that WP "OptoFluidic Force Induction (OF2i) Development" led by @MedUniGraz</p>









			 sets up the lab-test environment for the corresponding Case Studies,  conducts the RTO pilots tests &  plans the upscaling for semi-industrial pilot plan #PAT #Casestudy #nano @MUG @FLUIDINOVA @Cnano @BRAVE
M20	2.2.22 (jag)	WP4	The WP "Turbidity Spectrometry (TUS) Development", led by IRIS Technology Solutions SL, set up the lab-test environment for the corresponding Case Studies, conducts the RTO pilots tests and plans the upscaling for semi-industrial pilot plan. #PAT #TUS #CaseStudy #nanoparticles #Polymer #Silica #Ceramic @IRIS @DSM @EVONIK @Cnano
M20	9.2.22 (jag)	nanopat @NSC Newsletter	25th @EUNanoSafety Cluster #newsletter 📧 out now 🧑 Find out about @NanoPAT project's very promising #results so far 📊 and also learn about the interactive #PAT #Workshop at EuroPACT 2021 🙌 on pages 13 - 16 📄. 📄 https://zenodo.org/record/6004875#.YgKev_gxlhF
M21	17.2.22 (jag)	WP5	Led by ANALISIS-DSC 🇪🇸 workpackage: 📌 "Monitoring Technologies integration, Data Analysis and Simulation software" 📌 will develop the #PAT #software #platform which centralizes the data coming from the 3 PATs ✨💡 https://www.nanopat.eu/work-plan #PAT #PDW_Spectrometry #OFi2 #TUS @ANALISIS-DSC @BRAVE @PDWA @IRIS
M21	22.2.22 (bh)	Internal Stakeholder Workshop	Thanks to all @nanoPAT_project partners for your active participation in last week's internal #Stakeholder Engagement & #Exploitation workshop. 🙌 We were able to move forward identifying some of our future activities! 📄 https://www.nanopat.eu/internal-stakeholder-engagement-and-exploitation-workshop/ #nanopat #nanoparticles
M22	2.3.22 (jag)	WP6	The industrial pilot plant demonstration of the 5 different case studies, using the related PAT technologies will be led by @unipotsdam. #PAT #PDW_Spectroscopy #OFi2 #TUS #CaseStudy #EndUser #nanoparticle #polymer



M22	9.3.22 (bh)	APACT Save the date	<p>Save the date for #APACT22 from Sept 14 - 16 in </p> <p> The deadline for submission of abstracts (oral or poster presentations) is April 30.</p> <p> https://www.apact.co.uk/</p> <p>@cpact</p>
M22	17.3.22 (jag)	WP7	<p>The workpackage "Knowledge Transfer & Dissemination" led by @bionanonet, is dedicated to increase the visibility and impact of @nanoPAT's solutions .</p> <p>#communication #dissemination #knowledgetransfer #training</p>
M22	23.3.22 (jag)	Analytica 2022	<p>Already registered for #Analytica2022?</p> <p>Do not miss this edition and visit @NanoPAT's booth!</p> <p>When ? 21-24 June 2022</p> <p>Where ? Munich </p> <p>More : https://www.nanopat.eu/events/analytica-2022</p> <p>#tradefair #exhibition #booth #dissemination</p> <p>@Nano_Events @EU_HaDEA @nanoPAT_project</p>
M22	28.3.22 (jag)	Oyster Open Day Workshop	<p>Some @nanopat project partners attended the @Oyster_H2020 Open Day workshop on 17th March!</p> <p>@nanopat has been closely working with @Oyster as their activities support with the pre-standardisation efforts of NanoPAT's technologies!</p> <p>Read more about the event here:</p> <p>https://www.nanopat.eu/nanopat-oyster-open-day-workshop/</p>
M23	13.4.22 (jag)	Podcast of partner UP on the transfer of knowledge and technology	<p>Interested in the role of #innoFSPEC / @unipotsdam in the knowledge & technology transfer between university and industrial partners in the field of process analytical technologies (#PAT) ✨?</p> <p>Do not miss this #podcast by Marvin Münzberg </p> <p></p> <p>https://www.nanopat.eu/podcast-of-partner-up-on-the-transfer-of-knowledge-technology </p>
M23	21.4.22 (jag)	BRAVE presenting at nanoNET&NanoSyn3 Meeting	<p>BRAVE Analytics CEO Christian HILL will give a #presentation at the nanoNET-Austria Meeting & NanoSyn3-Joint Meeting on 22 April ✨</p> <p>about:</p> <p>"A BRAVE new way in real-time and continuous particle characterization with OptoFluidic Force Induction (#OF2i)"</p>

			 https://www.bnn.at/events/20-nanonet-austria-meeting-1-nanosyn3-joint-meeting
M23	21.4.22 (jag)	upvehu / POLYMAT team at Student Workshop	<p>The @upvehu / #POLYMAT team will be attending the 10th PhD Student Workshop on Polymer Reaction Engineering (20 - 22 April 2022) in San Sebastian 🇪🇸.</p> <p>Do not miss their presentation and poster showing their work in @nanoPAT_project.</p>  https://www.nanopat.eu/events/10th-phd-students-workshop-on-polymer-reaction-engineering-2022
M23	22.4.22 (jag)	Visit innoFSPEC at Polymat	<p>Wishing #innoFSPEC team (@unipotsdam) and @POLYMAT_BERC a successful collaboration!</p> <p>innoFSPEC is supporting POLYMAT (both @nanoPAT_project partners) on-site in the maintenance of the #PDW spectrometer and the analysis of the measurement data.</p> <p>More👉:</p> https://www.nanopat.eu/nanopat-networking-visit-of-innofspec-at-polymat
M23	22.4.22 (jag)	Christian Hill at NanoNET & NanoSyn3 Meeting	<p>Christian Hill just talking about #BRAVEAnalytics, their #PAT technology OF2i and their work in @nanoPAT_project at the NanoNET & NanoSyn3 joint meeting 🙌</p> <p>Find out more here:</p> https://www.nanopat.eu/20th-nanonet-austria-1st-nanosyn3-joint-meeting #NanoNET #NanoSyn3 #meeting #nanotechnology
M23	25.4.(jag)	workshop on implementing Instance Maps	<p>Thanks @nanocommons, and concretely Thomas Exner, for the great interactive online workshop on implementing #InstanceMaps!</p> <p>This will bring us further in generating more complete data templates and accurate data modelling!</p>  https://www.nanopat.eu/nanopat-instance-mapping-workshop



			#data #productionprocess
M23	28.4. (jag)	PhD Students Workshop on Polymer Reaction Engineering	<p>Researcher Usue Aspiazu from @upvehu @POLYMAT_BERC presented the #results of her investigations on inline monitoring techniques for #polymer #nanoparticles during the last edition of the PhD Students Workshop on Polymer Reaction Engineering.</p> <p>More info  https://www.nanopat.eu/phd-students-workshop-on-polymer-reaction-engineering</p>
M23	28.4. (jag)	Christian Hill presenting nanopat @BNN Gold Member Webinar	<p>We are looking forward to Christian Hill's @nanoPAT_project presentation at the @bionanonet Gold Member Webinar on 31 May .</p> <p>Visit https://www.bnn.at/events/bionanonet-goldmember-webinar to view the agenda .</p> <p>#webinar #nanopat #SaveTheDate #DontMissOut</p>
M24	3.5. (bh)	GEP-SLAP 2022 Announcement	<p>Don't miss the GEP-SLAP 2022!</p> <p>@upvehu/@POLYMAT_BERC & @unipotsdam poster presentation on their research results with inline monitoring of particle size emulsion polymerization process by #PDW_Spectrometry in @nanoPAT_project!</p> <p> 8-12 May 2022, San Sebastian www.gep-slap2020.eu</p>
M24	6.5.2022 (bas)	3rd Innovation Committee Meeting	<p>Today, WP7 & WP8 (@bionanonet , #TEMASOL & #EXELISIS) had the 3rd Innovation Committee Meeting to discuss the work implemented by each entity in the last months & upcoming actions to boost the innovation potential of @nanopat & its technologies!</p> <p>#PAT #characterisationtechnology</p>
M24	17.5.22 (jag)	UniPotsdam and @Evonik	<p>Internal technology transfer activities between @UniPotsdam and @Evonik took place last week.</p> <p>What did they do .</p> <p>Read more about it here  https://nanopat.eu/nanopat-networking-visit-of-innofspec-at-evonik #nanopat #project #networking</p>

Annex 2 - List of NanoPAT Social Media postings from project partners (M1 - mid M24)

This table contains the Social Media postings done by NanoPAT's partners in their Social Media channels since the beginning of the project.

Project Runtime	Date (dd.mm.yyyy)	Partner	Description of Activity	Link
M1	22.06.2020	BNN	NanoPAT live @ LinkedIn	https://www.linkedin.com/company/nanopat/
M1	22.06.2020	BNN	NanoPAT live @ Twitter	https://twitter.com/nanopat_project
M5	15.10.2020	FLUIDINOVA	NanoPAT	--
M7	02.12.2020	FLUIDINOVA	NanoPAT Case Study 3	--
M8	08.01.2021	FLUIDINOVA	NanoPAT WP3 update	--
M9	08.02.2021	FLUIDINOVA	Promotion of Video FLUIDINOVA @ social media	--
M9	29.02.2021	FLUIDINOVA	NanoPAT WP3 update	--
M10	24.03.2021	FLUIDINOVA	Share NanoPAT posting	--
M13	02.06.2021	BRAVE	Sharing the NanoPAT newsletter posting	https://www.linkedin.com/feed/update/urn:li:activity:6805815282469220352
M13	24.06.2021	BRAVE	BRAVE introduces partnership with Creative Nano	https://www.linkedin.com/feed/update/urn:li:activity:6813848185799274496
M15	06.08.2021	FLUIDINOVA	Publication on linkedin sharing the installation of B1 device by Brave at MUG for the FLU case study 3.	--
M18	17.11.2021	BRAVE	NanoPAT posters at EuroPACT conference 2021	https://www.linkedin.com/feed/update/urn:li:activity:6866654860289355776
M19	02.12.2021	BNN	Promotion on BNN social media of NanoPAT's 3rd newsletter	
M20	13.01.2022	EXEL	M18 NanoPAT meeting social media post	https://www.linkedin.com/feed/update/urn:li:activity:6887357612891893760
M21	28.02.2022	UPV/POLYMAT	Video promotion of the work of POLYMAT in NanoPAT	https://www.instagram.com/reel/CahJ64_JS2p/?utm_source=ig_web_copy_link
M23	28.04.2022	BNN	Promotion on BNN Social Media of the participation of NanoPAT (BRAVE, BNN) @ BNN Gold Member Webinar (31.05.2022)	https://twitter.com/bionanonet/status/1519598709272678401 https://www.linkedin.com/feed/update/urn:li:activity:6925365770386337792
M24	11.05.2022	UPV/POLYMAT	Promotion in Social Media (Twitter) of the participation on POLYMAT @ GEP-SLAP 2022 - Conference on Polymers	https://twitter.com/POLYMAT_BERC/status/1524418955594588160?s=20&t=6b1S8v4i1z9iFfSzxshq6A



M24	11.05.2022	UPV/POLYMAT	Promotion in Social Media (LinkedIn) of the participation on POLYMAT @ GEP-SLAP 2022 - Conference on Polymers	https://www.linkedin.com/feed/update/urn:li:activity:6930241668528918528/
M24	12.05.2022	BRAVE	Information about work with Creative Nano	https://www.linkedin.com/feed/update/urn:li:activity:6805815282469220352/