CITIZEN SCIENCE SDG CONFERENCE

14.–15.10.2020

Knowledge for Change: A decade of Citizen Science (2020–2030) in support of the Sustainable Development Goals

WEDNESDAY | 14. OCTOBER 2020

CITIZEN SCIENCE
CONFERENCE

MUSEUM FÜR
NATURKUNDE
BERLIN

10.00—12.00	**Festival opening** — **get to know the Citizen Science projects and e-posters**
11.00—12.15	**On-site registration and lunch-time snacks**
12.15—12.30	**Welcome & conference opening** Johannes Vogel	Director General of the Museum für Naturkunde Berlin and Executive chair of ECSA
12.30—12.40	**Welcome words** Michael Meister	State Secretary at the Federal Ministry of Education and Research (BMBF), Germany
12.40—12.50	**Welcome words** Signe Ratso	Deputy Director-General, DG Research and Innovation, European Commission
12.50—13.00	**Short break**

13.00—14.00

KESSELHAUS | HOPIN SESSION #1
Citizen Science Policy — **A panel discussion**
Session chairs: Aletta Bonn and Susanne Hecker

Michael Meister
State Secretary, Federal Ministry of Education
and Research (BMBF), Germany

Signe Ratso
Deputy Director-General, DG Research and Innovation,
European Commission

Katrin Vohland
Director at the Natural History Museum Vienna, Austria

Muki Haklay
Professor of Geographic Information Science,
University College London (UCL), UK

Klement Tockner
President FWF Austrian Science Fund, Austria

PALAIS | HOPIN SESSION #2
Who is engaged in Citizen Science —
and who could or should be?
Session chair: Jens Jetzkowitz

Philipp Schrögel
**Underrepresented audiences and exclusion factors
in science communication**

Claudia Göbel
**Infrastructures of in/exclusion in Citizen Science:
organisations, networks and policies**

Rachel Pateman
**Participation in citizen science and the SDGs in low
and middle income country cities**

Christine Urban and Michael Strähle
**Democratizing science by Citizen Science: a realistic
claim?**

Stefan Reichmann
Matthew Effects in Citizen Science

MASCHINENHAUS | HOPIN SESSION #3
**Mobility and renewable energy for sustainable cities and
communities**
Session chair: Kris Vanherle

Martina Hertel
A new tool, the Parking Policy Audit PARKPAD

Daniel Wuebben
**Citizen Science and Community Renewables: Overlooked Allies for SDGs
and a Green Recovery**

Luisa Barbosa
Citizen science for citizen science in energy research

Kris Vanherle
Citizen engagement in the center of urban mobility planning

14.00—14.30

KESSELHAUS | PALAIS
Coffee and networking

HOPIN SESSION #E1
Meet the expert — **Clement Tockner**
President FWF Austrian Science Fund, Austria

HOPIN NETWORKING
Connect and get to know each other in a one-on-one meeting

14.30—15.00	**Plenary talk** What is citizen science, anyway?	Muki Haklay	Professor of Geographic Information Science, University College London (UCL), UK
15.00—15.30	**Plenary talk** Creating an enabling environment for citizen science in Europe	Anna Panagopoulou	Director, DG Research and Innovation, European Commission

15.30—16.00   **Plenary talk** Citizen science for monitoring and achieving the SDGs | Jillian Campbell | UN Convention on Biological Diversity, Canada

16.00—16.30

KESSELHAUS | PALAIS
Coffee and networking

HOPIN SESSION #E2
Meet the expert — Jillian Campbell
UN Convention on Biological Diversity, Canada

HOPIN SESSION #E3
Meet the expert — Muki Haklay
University College London (UCL), UK

16.30—17.30

KESSELHAUS | HOPIN SESSION #4
**Citizen Science platforms as a way
to impact on the SDGs**
Session chair: Colombe Warin

eu-citizen.science

François Grey
**The Crowd4SDG project and the Citizen Science
Solution Kit**

James Sprinks
**Assessing the impact of citizen science towards
Sustainable Development Goals: The coordinators'
point of view**

Susanne Hecker
**Citizens create knowledge: The networking platform
for Citizen Science in Germany**

Patricia Santos
**CS-Track database: a central database of CS projects
in Europe that can be key to understand the connection
of CS and SDGs**

PALAIS | HOPIN SESSION #5
**Exploring human-nature-relations:
Citizen Science in the Anthropocene**
Session chairs: Marie Delannoy and Maike Weißpflug

MUSÉUM NAT-HIST NATURELLE

Anna Berti Suman
**Citizen sensing as a way to claim back human agency
in the context of the Anthropocene?**

Emu-Felicitas Ostermann-Miyashita
**Citizen Science as a tool to Assess Human-Wildlife conflict
and
coexistence for wildlife species in human-dominated
landscapes**

Barbara Heinisch
**The role of the citizen humanities in the biocultural
diversity discourse**

Frédérique Chlous and Maike Weißpflug
**"Lost objects, Regained nature": a participatory project
to tell the Anthropocene story from a citizen's point of view**

MASCHINENHAUS | HOPIN SESSION #6
Citizens in biodiversity monitoring
Session chairs: Nike Sommerwerk, Jörg Freyhof and
Martina Lutz

Eugenio Gervasini
**Citizens' engagement in biodiversity monitoring: the
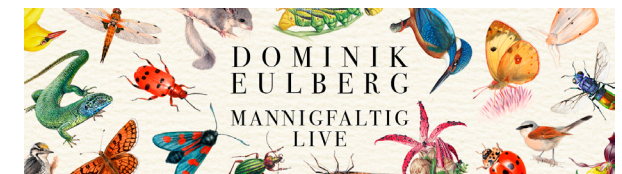"Invasive Alien Species in Europe" mobile App**

Cristina Gonzalez Sevilleja
**Engaging citizens will preserve butterflies in Europe:
lessons learnt from the ABLE Project**

Inian Moorthy
**Natura Alert: Monitoring biodiversity threats using citizen
science**

17.30—18.30

HOPIN FESTIVAL
E-Poster session

17.30—18.30

HOPIN FESTIVAL & KULTURBRAUEREI YARD
Citizen Science Festival 2020 — Virtual Festival & Guided Tours

21.00—23.00

HOPIN FESTIVAL & KESSELHAUS
Citizen Science Festival 2020 — featuring Mannigfaltig | Music by Dominik Eulberg

mitforschen!
Das Citizen-Science-Festival

DOMINIK EULBERG
MANNIGFALTIG
LIVE

18.00—19.00	**Fingerfood and drinks**
19.00—19.30	**Start of evening event - welcome and introduction**
19.30—20.15	**Five parallel workshops to experience Citizen Social Science**

Citizen science is social!
Evening event with hands-on citizen social science

Social sciences and humanities research plays a growing role in citizen science and transformative social change becomes an essential dimension of impact. It is therefore time to talk about citizen SOCIAL science! Spend the evening with us and choose from a wide menu of hands-on activities and debates related to the social dimensions in citizen science practices.

PALAIS #EVENING1
Research Forum "What the heck is the 'Social' in Citizen Social Science?"
Tanja Ehmann and Stefan Thomas

KESSELHAUS | HOPIN SESSION #EVENING2
Inclusion, sustainability & citizen social science - fireside chat on challenges and learnings
Claudia Göbel and Justus Henke

Magdalena Meißner
Citizen Science for sustainable consumption and production

Reidun Norvoll
Working with youth at risk of social exclusion

HOPIN SESSION #EVENING3
Co-defining digital platforms to provide actionable insights along SDGs: mental health care provision and environmental justice
Valeria Arza & Josep Perelló

Franziska Peter and Josep Perelló
The co-creation of a chatbot for improving mental health care

Valeria Arza, Guillermina Actis and Pia Marchegiani
CoAct for environmental justice

HOPIN SESSION #EVENING4
Participatory approach centring life-world experiences
Mariam Malik and Teresa Wintersteller

MASCHINENHAUS | HOPIN SESSION #EVENING5
Nachhaltiges Leben in Stadt und Dörfern (Sustainable living in city and villages)
Susann Hippler

Andrea Isermann-Kühn and Rainer Leppin
Nachhaltige Mierendorff-INSEL in Berlin: Subsidiarität und Eigenverantwortung

Eleonore Harmel
Plattform Landinventur: Digitale Bestandsaufnahme

20.15—20.30	**Short break**
20.30—21.00	**Share and reflect experiences from the workshops**
21.00	**End of evening event**

SoCiS
Social Citizen Science
for Addressing Grand Challenges

CoAct
Citizen Social Science

The event is co-organised by SoCiS project (funded by the German Federal Ministry of Education and Research -BMBF- Förderkennzeichen 16ITA210) and CoAct project (funded by the European Union's Horizon 2020 research and innovation programme under grant agreement number 873048).

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and Research

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MUSEUM FÜR NATURKUNDE BERLIN

8.00—9.00	**On-site registration**
9.00—9.10	**Welcome**
9.10—9.40	**Plenary talk** Enhancing social dimensions in citizen science: SDGs and social tipping points	Josep Perelló	Associate Professor at the Universitat de Barcelona & UB Institute of Complex Systems, Spain

9.40—10.20

KESSELHAUS | PALAIS
Coffee and networking

HOPIN SESSION #E4
Meet the expert — **Josep Perelló**
Universitat de Barcelona and UB Institute of Complex Systems, Spain

10.20—11.20

KESSELHAUS | HOPIN SESSION #7
Opening Social Science & Humanities research towards society: Required institutional settings
Session chairs: Justus Henke, Claudia Göbel, Sylvi Mauermeister and Susann Hippler

SoCiS Social Citizen Science for Addressing Grand Challenges

Justus Henke, Claudia Göbel and Sylvi Mauermeister
Citizen Social Sciences and its institutional settings

Alexandra Albert
Citizen social science for sustainable cities and health in the Act Early Preventative Research Programme

Anna Cigarini
Building a participatory network for research on social support in mental health: Cooperation, mission-oriented research and actionable insights

Eveline Wandl-Vogt
beyond citizen science? the ars electronica research institute knowledge for humanity(k4h+)

PALAIS | HOPIN SESSION #8
Citizen observatories: the landscape, tools and data innovations for sustainable development
Session chair: Valantis Tsiakos

WeObserve

Inian Moorthy
LandSense: Coupling citizen science and earth observation data to promote environmental monitoring

Valantis Tsiakos
Citizens in the epicenter: Smart technologies in the service of citizen-driven flood monitoring and management

Joan Masó
Experiments with interoperability to unlock the meaning within Citizen Science data

Mel Woods
WeObserve Open Data Challenge: Reflections and implications of open data on the sustainability of Citizen Observatories (COs)

Saskia Coulson
Open source toolkits for Citizen Observatories

Núria Castell
Engaging citizens in improving air quality and designing healthy and people-centred cities. The NordicPATH project in Scandinavia

Louise Francis
The International Odour Observatory — A co-designed resource by and for the quadruple helix of stakeholders

Sven Manske
Using analytics for community monitoring and support in online citizen science projects

MASCHINENHAUS | HOPIN SESSION #9
Citizen Science for health and well-being
Session chairs: Xavier Basagaña and Valeria Righi

Isabelle Dechamps and Teresa Schäfer
How to engage citizens in co-creating open healthcare solutions: the careables toolkit

Nils Heyen
Patient Science: a new approach of Citizen Science for health and well-being

Yaela Golumbic
Investigating the world's most important medicines through citizen science

Rosa Arias
The D-NOSES project: Improving the health & well-being of affected communities by odour pollution using citizen science

Elisabetta Broglio
Genigma: a citizen science game to explore cancer cells DNA

THURSDAY | 15. OCTOBER 2020

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11.20—11.30 **Short break**

11.30—12.30

KESSELHAUS | HOPIN SESSION #10
Participatory Citizen Social Sciences towards the SDGs
Session chairs: Stefan Thomas and David Scheller

C+Act
Citizen Social Science

Francesco Mureddu
Stakeholder engagement methodologies and practices for citizen (social) science

Emilia Aiello
Towards a transformative Citizen Social Sciences for the accomplishment of the SDGs

Margarida Romero
Addressing the Sustainable Development Goals through the design of digital games by middle school, high school and apprentices

PALAIS | HOPIN SESSION #11
Contribution of Citizen Science Data to Monitoring the SDGs
Session chair: Dilek Fraisl

We Observe

Steffen Fritz
Citizen science to complement official statistics and mobilize action

Jillian Campbell
Citizen science for the SDGs and official monitoring

Camden Howitt
Litter intelligence: Citizen Scientists delivering on SDG 14.1.1.

Anne Bowser
Organizing to support Citizen Science for the SDGs

Omar Seidu
Citizen Science to strengthen the National Statistical System

MASCHINENHAUS | HOPIN SESSION #12
Lightning talks
Session chairs: Kim Mortega and Silke Voigt-Heucke

Stavros Katsanevas
REINFORCE (REsearch INfrastructures FOR Citizens in Europe) presented under the lens of SDG4, 5, 10, 13, 14, 15 and SDG17

Marta Soler Gallart
SOLIDUS-Solidarity in European societies: empowerment, social justice and citizenship

Rémy Bossu
"OMG, Earthquake!" From citizens as real time tremor sensors to active citizen seismologists

Jóhann Helgi Stefánsson
Land Users — Land Watchers

Thorsten Kluss
Beekeepers, Makers, and Eco Hackers: The Outreach of Citizen Bob and a DIY Sensorkit

Norbert Steinhaus
Citizen-enhanced climate actions — a Pan-European perspective

Giulia Barbero-Vignola
Harnessing Individual lifestyle choices for engaging citizens in sustainable development — The example of the consumer footprint calculator

12.30—13.30

HOPIN FESTIVAL
E-Poster session

mitforschen!
Das Citizen-Science-Festival

HOPIN FESTIVAL & KULTURBRAUEREI YARD
Citizen Science Festival 2020 — Interaction and diversity for a sustainable society

13.00—14.00

PALAIS | KESSELHAUS
Lunch break

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13.30—14.00

Meet the expert — with Anne Bowser
Woodrow Wilson International Center for Scholars, USA

14.00—14.30
Plenary talk Openness as a pathway to support the SDGs: an exploration of science-society mediation spaces | Thomas Mboa | University of Ottawa, Canada

14.30—14.40 **Short break**

14.40—15.40

KESSELHAUS | HOPIN SESSION #13
Evaluation of programmes and projects: instruments, outputs, outcomes — PART 1
Session chairs: Nicola Moczek and Barbara Kieslinger

Sabrina Kirschke
Design and effects of citizen science projects in freshwater quality monitoring. Results of a global survey

Carmen Kilvits
Effectiveness of participation in environmental citizen science projects: the case of Estonia

Laure Fallou
Citizen-seismology in Haiti, understanding citizens' interest and beliefs to enhance community resilience and contribute to risk reduction

Alexander Gerber
Evaluating participatory processes critical to citizen science and sustainable development

PALAIS | HOPIN SESSION #14
Transformative potential of citizen science and citizen observatories for mobilising action towards achieving the SDGs
Session chair: Uta Wehn

We bserve

Panel discussion

Valantis Tsiakos
Institute of Communication & Computer Systems (ICCS)

Mel Woods
University of Dundee

Michele Ferri
Alto Adriatico Water Authority

Steffen Fritz or Inian Moorthy
International Institute for Applied Systems Analysis (IIASA)

Stijn Vranckx
VITO

MASCHINENHAUS | HOPIN SESSION #15
Responsible food consumption and production through Citizen Science
Session chairs: Ina Opitz and Anett Richter

Anett Richter
The power of Citizen Science for Policy: examples and experiences in environmental citizen science and policy

Jessica Amprako
The impact of citizen science towards sustainable production of aromatic plants

Rachel Pateman
Citizen science and the food system: opportunities for reducing loss and waste

Siri Carson
Citizen engagement in biotechnology innovation — the need for research and the role of ethics

Danielle Wilde
ReThinking Food: empowering citizens in societal change processes

Roberto Rufo Gonzalez
The Food Waste Experiment — a novel method for calculating food waste

15.40—16.15

PALAIS | KESSELHAUS
Coffee and networking

HOPIN SESSION #E5
Meet the experts — Linden Farrer and Michael Arentoft
Directorate-General for Research & Innovation, European Commission

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16.15—17.15

KESSELHAUS | HOPIN SESSION #16

Evaluation of programmes and projects: instruments, outputs, outcomes PART 2
Session chairs: Barbara Kieslinger and Nicola Moczek

Margarida Sardo
Are we on the same page? Making project engagement and evaluation work across European cities and cultures

Nerea Ferrando
Debunking myths of data quality issues in citizen science

Giovanni Maccani
Scalable by design: a Framework to design more impactful CS interventions

Antonella Passani and Annelli Janssen
Developing a modular, flexible and scalable impact assessment framework for Citizen Science projects following a co-design approach

PALAIS | HOPIN SESSION #17

Citizen Science for sustainable education
Session chairs: Gitte Kragh and Jacob Sherson

Jacob Sherson
Playing games for science and the SDGs

François Grey
Citizen science for the SDGs: the Crowd4SDG project

François Taddei
Towards a citizen science of sustainable education

Carol O'Donnell
Integrating Citizen Science into Global Goals Curriculum for Youth Ages 8-17

Thomas Kox
Activating students for climate change adaptation by collecting and communicating data of extreme weather events

David Kocman
Citizen Science as part of the elementary school curriculum: case-study of technical day on the topic of noise and health

Claire Ramjan
Does environmental citizen science in schools provide opportunities for pupils to engage in ecological citizenship?

Daniëlle Meuleman
Nature around the Corner: involving underprivileged children in citizen science

CONTINUED #17

Samantha Mason
Empowering children to learn about, connect with, and care for nature through participation in the citizen science project MammalWeb

Yoseph Araya
Mobile device data collection from Malawian macadamia farmers for agricultural research and teaching in the context of Sustainable Development Goals

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HOPIN SESSION #18

WeObserve showcase: demonstrating value and applications of Citizen Observatory data
Session chair: Valantis Tsiakos

We Observe

Turam Purty
WeObserve Open Data Challenge — CitSci Manager

Gulsen Otcu
WeObserve Open Data Challenge — Hi-Terra

Valantis Tsiakos
INSPIRE Hackathon — Results from the citizen science challenges

Valantis Tsiakos
Citizen Observatories for Earth Observation (CO4EO): From examples to best practices

MASCHINENHAUS | HOPIN SESSION #19

Partnerships towards the goals — Making sustainable change sustainable with Citizen Science
Session chairs: Jörn Knobloch and Claudia Fabó Cartas

STIFTUNG
MERCATOR

Nicola Moczek
First insights into the survey: The contribution of European Citizen Science projects to the UN sustainable development goals (SDGs)

Jan-Philipp Beck
EIT Health partnership model as an innovative solution towards addressing the societal health challenge

Macarena Cardenas
Creating sustainable cities in partnership: Investigating nature-based solutions through citizen science

Kim De Rijck and Sven Schade
Best Practices in Citizen Science for Environmental Monitoring

Maria Vicente
Drinkable Rivers — Citizen Science as a tool for the involvement of the local community in monitoring water quality of the Douro River

17.15—17.30	**Short break**
17.30—18.00	**Declaring the Declaration**
18.00—18.15	**Closing ceremony**
18.15	**End**

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Organiser

MUSEUM FÜR NATURKUNDE
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eu2020.de

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