

**citizen  
science lab**





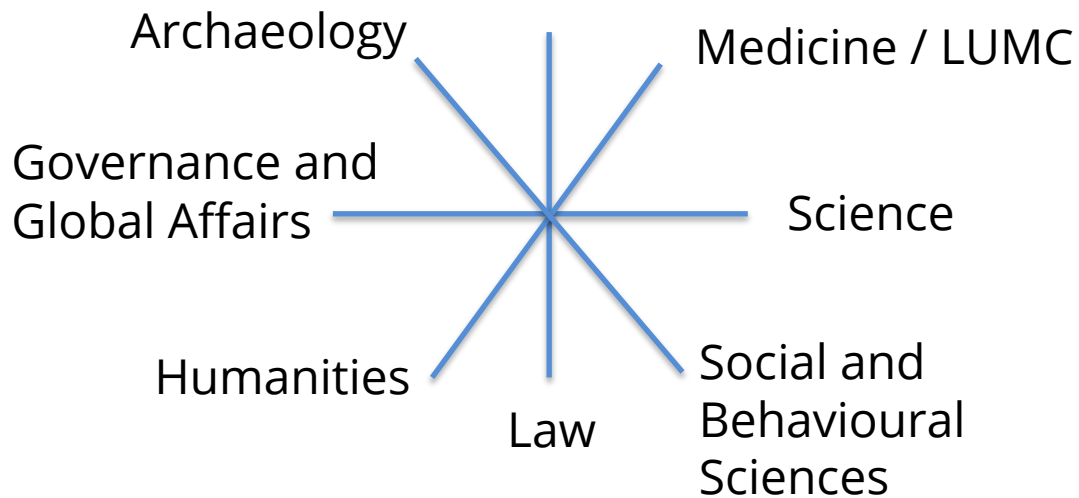
# SCIENCE for All & All for SCIENCE

Taskforce  
Drijfvuilvissen  
DOE MEE



**citizen  
science lab**

# launched in 2018







25%  
ons  
meens

# ag voor lex

en Haarlem  
server traag

en bejkte het-  
de landelijke  
et om dit uit  
derlan-  
s spe-  
Zij

...den jaar geleiden na een luttelijke val  
zijn niet en zijn in milie schoutje, zijn  
londen knuuste en gebroken te, zijn  
ben had. Hij las op de Britse  
care, fietste 222 op de Britse  
strijd. En dan nog zevende worden,  
...jaar later in een zware stappe-  
blijf ik dan wel mijn vraagtekens  
zetten. Met de tandpauze  
van Michael Boogerd in m'n sch-  
terhoofd die nog nooit van het  
woord doping had gehoord. Maar

...en jaar geleiden na een luttelijke  
goed geverd heeft en nooit meer  
loeft te worden.  
Oeneas. Dopinggebruik zal altijd  
den schopen. Maar dan voor, die  
sport in het verdere geld terug-  
storten naar de organisaties van  
deze evenementen.  
Arte Ponek. Noordwijk. Oeneas,  
en aantal trainers, hoe ze appels  
blijven en altijd tussen zit, wat  
dit betreft is het een afspreking.  
Die te pas en  
van de dagelijkse maatschappij die  
den gebruikt a

BN DESTEM DINS DAG 9 JULI 2013

# gaan de lucht in

putting / de Volkskrant

VANDAAG 3

**50** De overheid heeft de maximaal toelaatbare hoeveelheid  
fijnstof per kubieke meter in de atmosfeer vastgesteld.  
De dagelijkse norm is 50 microgram en die mag hooguit  
35 dagen per jaar worden overschreden.



René Martens had verwacht een hogere concentratie fijnstof te meten.  
foto Ron Magiels/het fotoburo

## 'Minder fijnstof in Breda dan verwacht'

door Maartje Huijben

**BREDA** - Nee, eerlijk gezegd had hij meer fijnstof verwacht dan dat wou. Relatief dicht bij de snelweg, dat er daarom meer fijnstof in de lucht zou zitten. De hoeveelheid die ik tot nu heb

fijnstof van weinig tot veel. In de rest van West-Brabant is het vergelijkbaar, zij het dat op sommige plekken ook schone lucht wordt gemeten. "Ik ben geïnteresseerd in de werkdienst", verklaart Martens. "Het resultaat is ook heel helder



FOTOS ANP

Wim Nuijsten deed rond kwart over acht een eerste meting in Breda op Langeveld bij Winkelen- tram Breda-Verdijk. "Daar is nu Om ongeveer half elf een tweede meting gedaan. Het was een goede meting, maar de instructie is goed en de meting verliep ook vlotjes. "Rode koren was de uitdaging: 'niet-derhelder' uitgedrukt in de kleur- meting op het dak van de brand- werksite. "Aangezien ik in de brand- uit en binnen anderhalve minuut was de enige opstap voor veel zitte- apparaten. Uiteindelijk gaf het apparaat zeer helder aan. "In de avond leed hij een meting in zijn woonplaats Noorddorp (tussen de avondkerk en Garstecru). "Daar is het voor mij belangrijk om te weten, omdat Tata Steel mijn buur is." Het resultaat: ook heel helder

Hans Kort

# Massaal

Sterrenkundige Stephanie Heikamp van de Un

Reportage  
Fijnstofonderzoek

Het was lang wachten, een zo strakblauwe lucht dat fijnstof meten met duizenden smart meters regelmatig zin zou hebben. Maandag was het

Van onze verspreider  
Bard van de  
LOPIK  
in het  
de 213



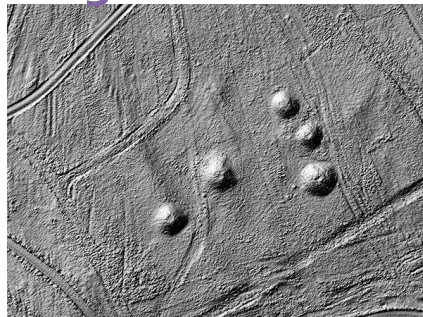
# Oeverplanten



# Plastic Spotter



# Erfgoed Gezocht



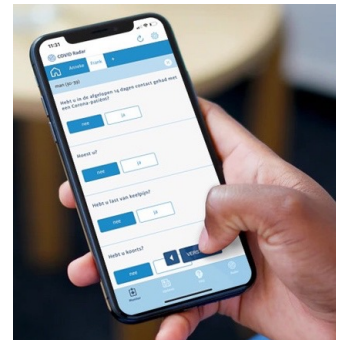
# The Global Microplastic Project



# iSpex



# COVID Radar



# Maps in the Crowd

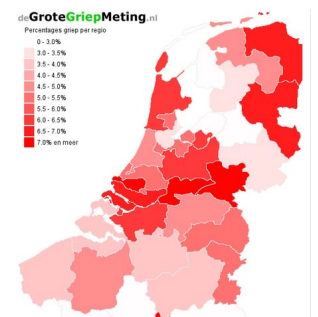


## Vrijwilligers ontsluiten bijna 7.000 landkaarten

24 oktober 2016  
Met hulp van het publiek zijn de afgelopen maanden bijna 7.000 gedigitaliseerde kaarten van Nederlands-Indië ontsloten. Op 17 november bedankt de Universiteitsbibliotheek de vrijwilligers tijdens een feestelijke bijeenkomst.

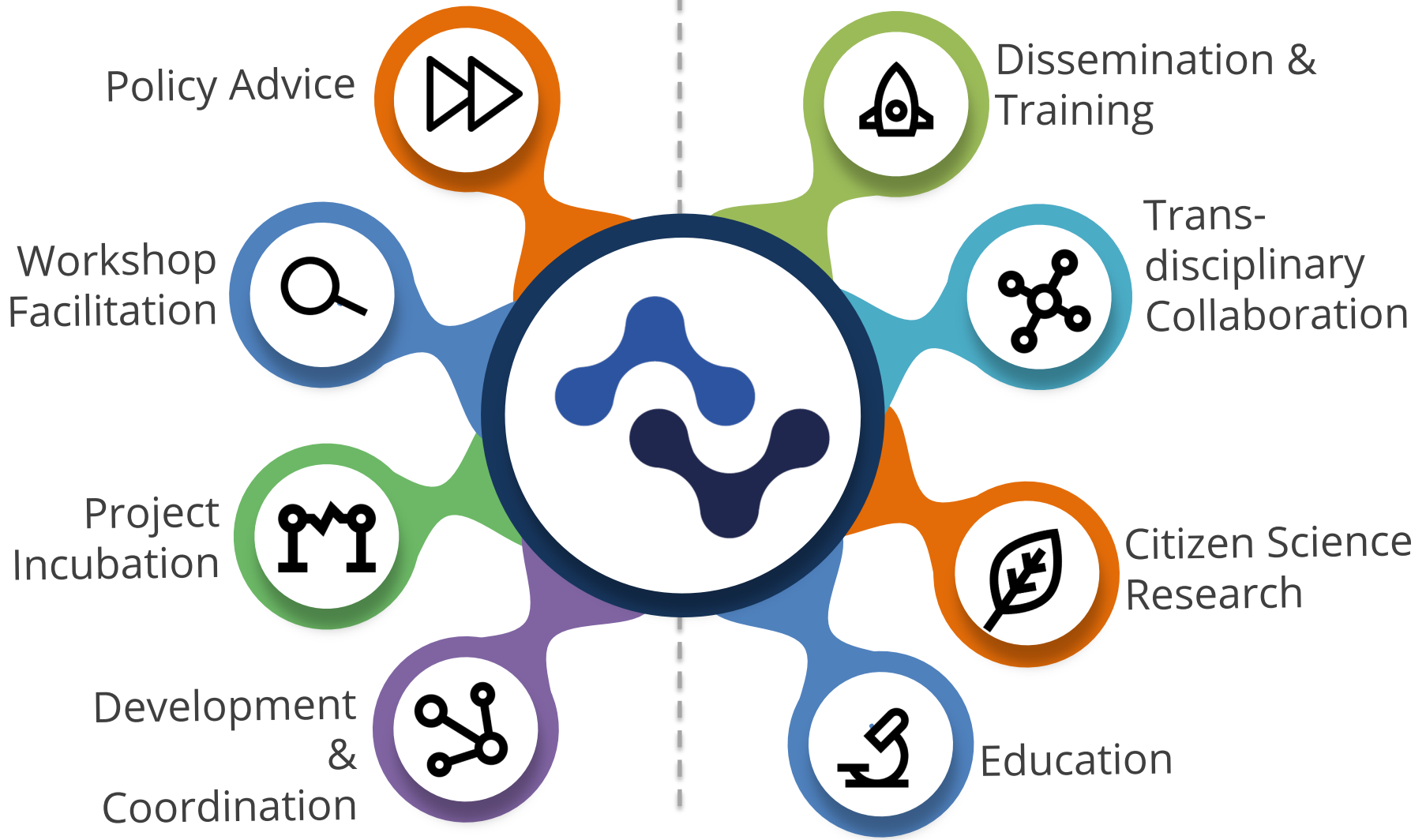


# De Grote Griepmeting



## PROJECT INCUBATOR

## KNOWLEDGE HUB





Naturalis  
Biodiversity  
Center



plastic  
spotter



MONOCLE



PSYCHOLOGY LAB  
on wheels



444



European  
City of Science  
Leiden2022



eu-citizen.science



citizen  
science lab



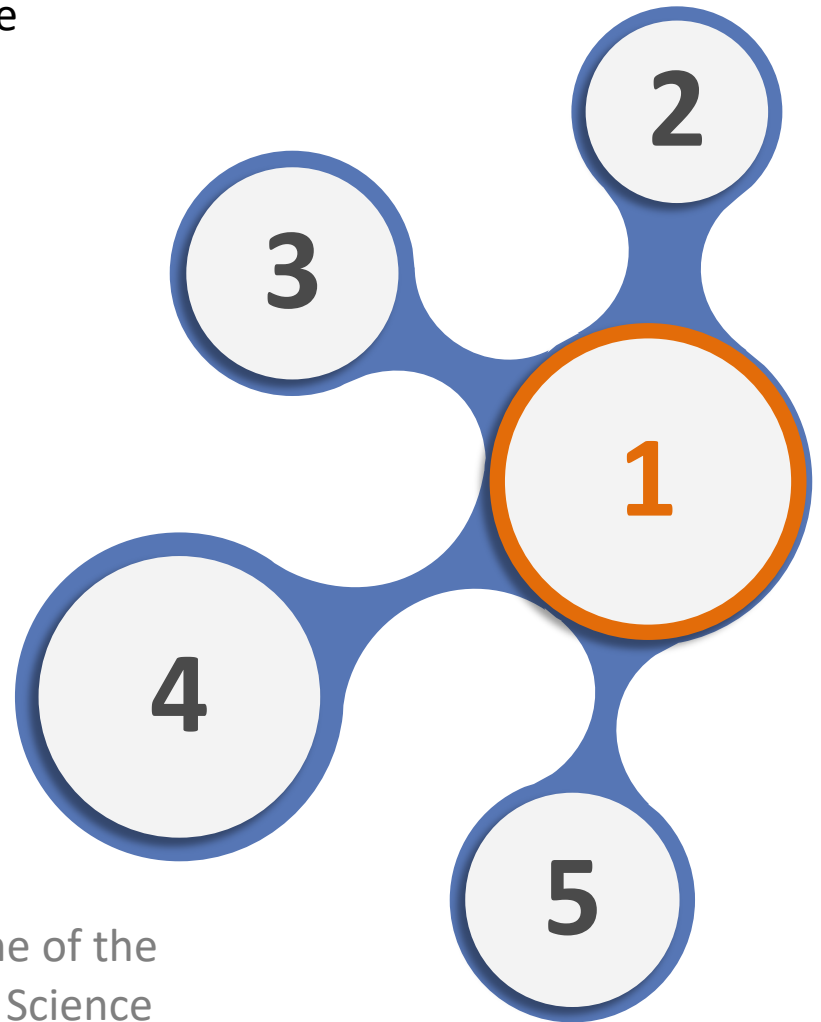
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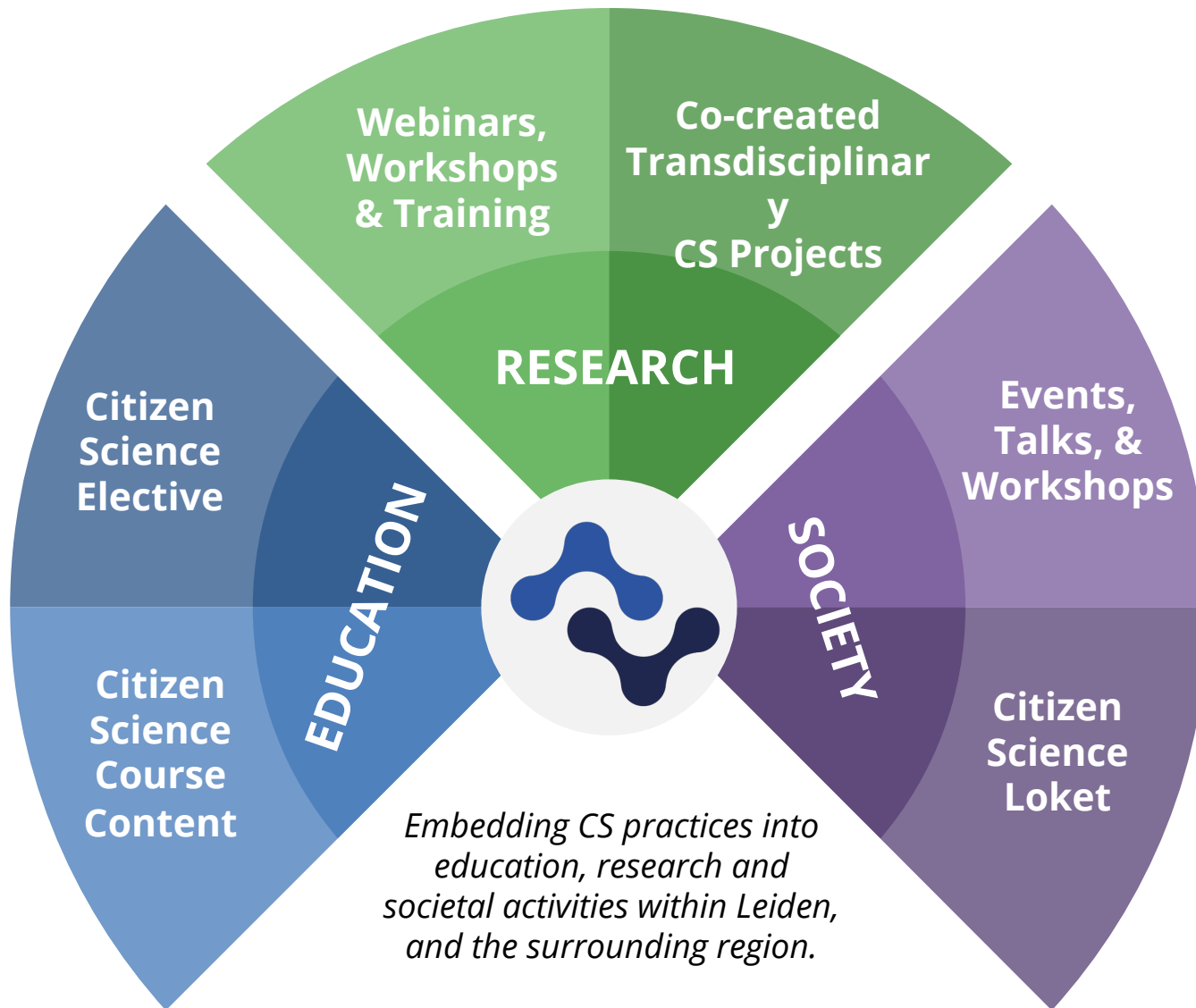
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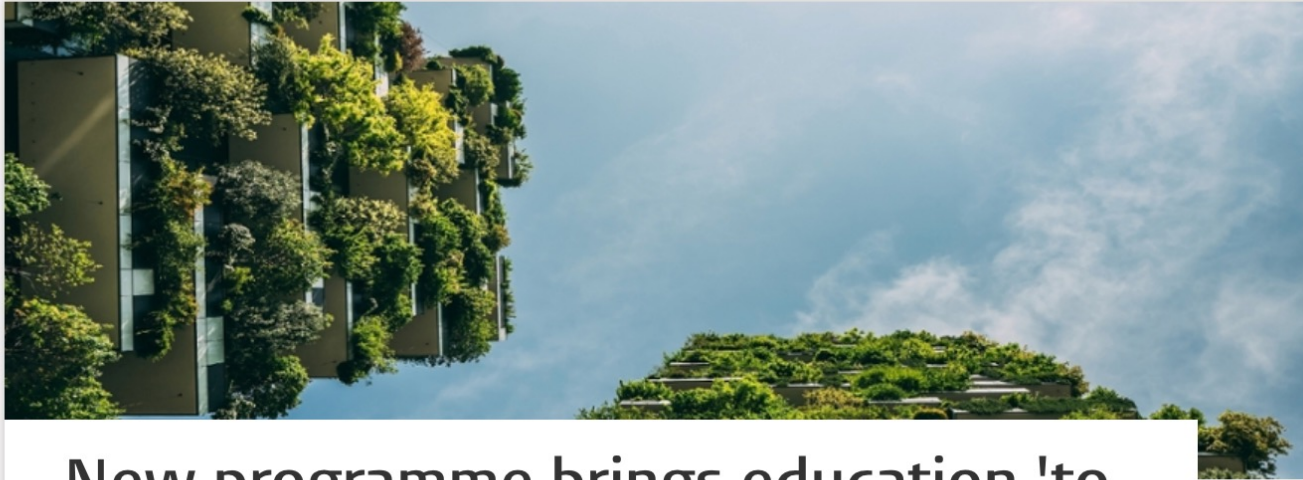
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# New programme brings education 'to the midst of society'

14 October 2021

In November a new extracurricular programme will begin: the Impact Challenges. Students will work together in small groups to solve problems, put forward by partner organisations. In this way, they train their practical skills and make a contribution to society.

The Impact Challenges are intended for master's and third year bachelor's students, who want to look, "beyond the boundaries of their own discipline," according to Bram Hoonhout. As coordinator of the Honours College, he is involved in the organization of the new programme. In addition to collaborating with others, participants also learn project-based working. "That way they are well prepared for the labour market."

An important aspect of the Impact Challenges is the contact with partner organisations. "We want

## Academic staff



**Bram Hoonhout**  
Coördinator Honours College

## Organisation

Honours Academy

Impact Challenges

## Apply now

Do you want to contribute to society? Application for the Impact Challenges is open till 17 October.

[More information >](#)



The sustainable  
university

Waar ben je naar op zoek?

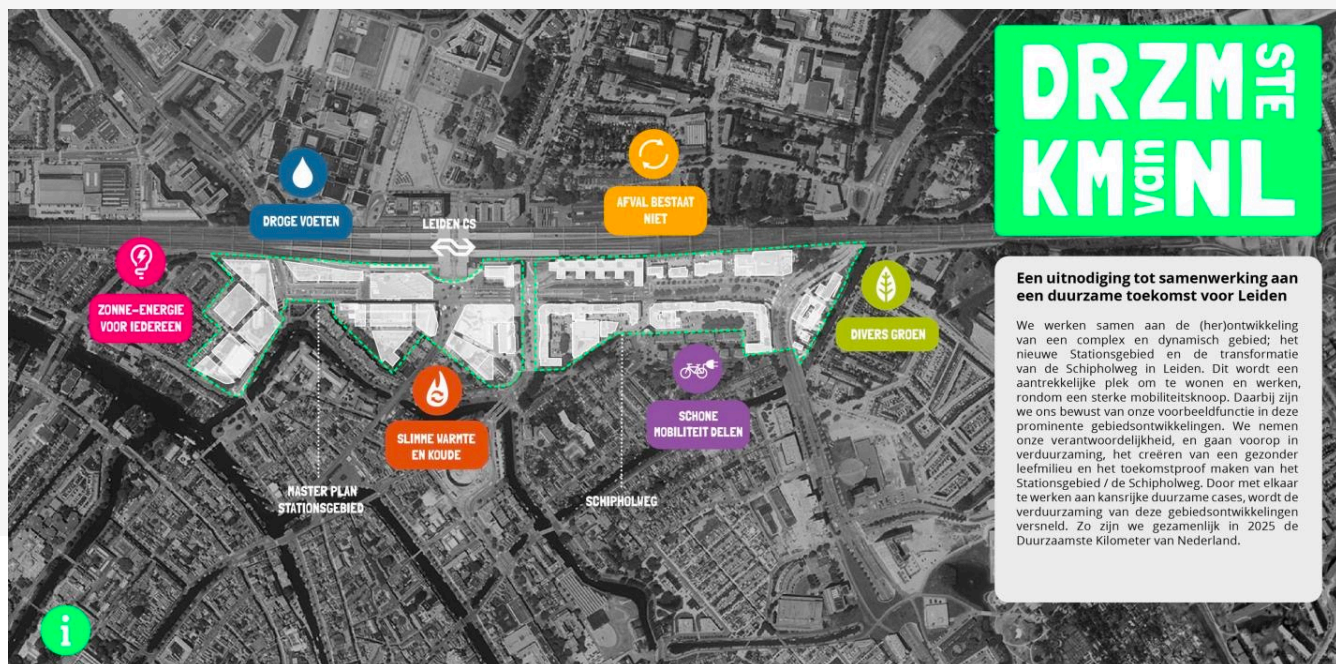
2021-2022 ▾

Zoeken

# Leiden Municipality Challenge: Citizen Science and The Most Sustainable Kilometre

Vak

2021-2022



## Een uitnodiging tot samenwerking aan een duurzame toekomst voor Leiden

We werken samen aan de (her)ontwikkeling van een complex en dynamisch gebied; het nieuwe Stationsgebied en de transformatie van de Schipholweg in Leiden. Dit wordt een aantrekkelijke plek om te wonen en werken, rondom een sterke mobiliteitsknoop. Daarbij zijn we ons bewust van onze voorbeeldfunctie in deze prominente gebiedsontwikkelingen. We nemen onze verantwoordelijkheid, en gaan voorop in verduurzaming, het creëren van een gezonder leefmilieu en het toekomstproof maken van het Stationsgebied / de Schipholweg. Door met elkaar te werken aan kansrijke duurzame cases, wordt de verduurzaming van deze gebiedsontwikkelingen versneld. Zo zijn we gezamenlijk in 2025 de Duurzaamste Kilometer van Nederland.

Periode:



Docenten:

Dr. Anne Land-Zandstra  
Dr. Margaret Gold  
Researchers of The Young Academy  
Leiden

Credits:

10 EC

Niveau:

600

Locatie:

Leiden

Voertaal:

Engels

# Citizen Science Lab

Board

Coordinator

Researchers

Incubation  
Facilitators

Project & Community Managers

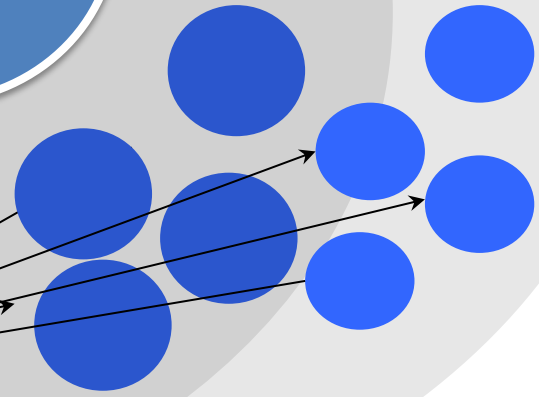
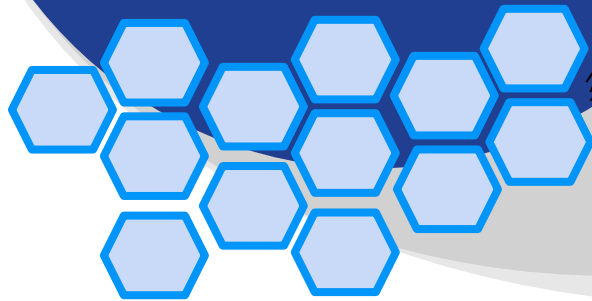
Scientific  
Core  
Group

project partners

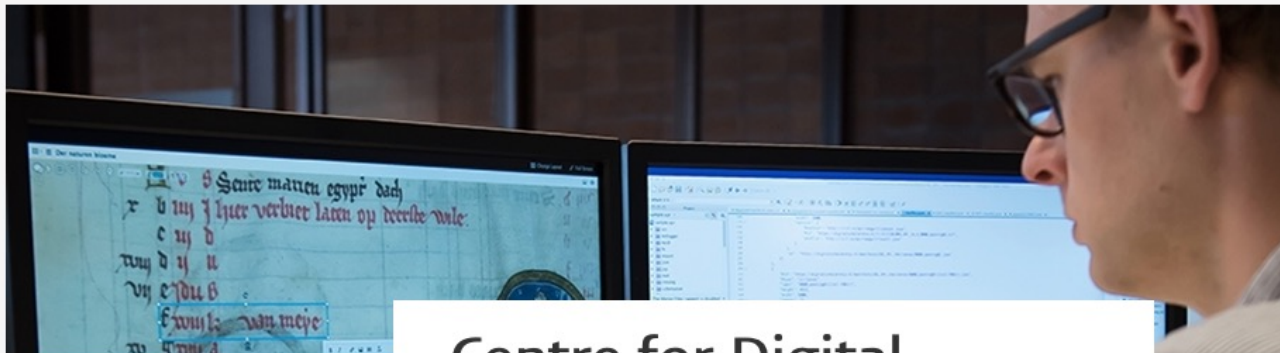
Project Portfolio

NL-CS  
network

EU-CS  
networks







Catalogue

Books, articles, databases e | Q

Sign in

# Centre for Digital Scholarship

The Centre for Digital Scholarship can be reached by email during the period of closure: [cgs@library.leidenuniv.nl](mailto:cds@library.leidenuniv.nl). Researchers can contact the CDS for questions, consultancy, and training on the following topics:

- ▼ About us
  - > Library locations
  - > Contact
  - Library organisation
  - Mission and objectives
- ▼ Centre for Digital Scholarship
  - About the CDS
  - Presentations and Publications
  - Digital Scholarship Projects
  - Workshops and Events
- > Collections
  - Publications
  - Careers



## Copyright Information Office

For all your queries on copyright



## Use of digital data

Text/data mining, tools, Virtual Research Environments



## Data management

Training, advice and instruction



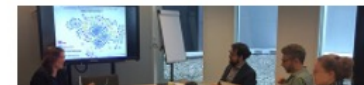
## Open Access

Publication advice and hands on help



## Open Science

FAIR data, Open Access and citizen science



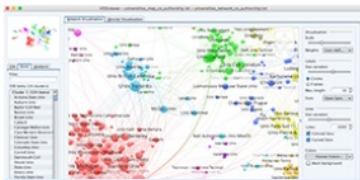
## Events and workshops

Training, tutorials, workshops

## Research

Research at CWTS is organized into three research groups. In addition, CWTS pays special attention to three research themes that are of major importance for research management and research policy.

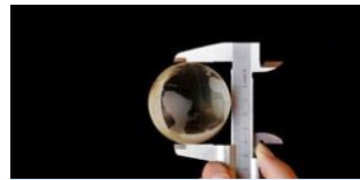
### Research groups



Quantitative Science Studies



Science and Evaluation Studies



Science, Technology, and Innov...

### Thematic hubs



Academic careers



Engagement and Responsibilit...



Open Science



Responsible Evaluation

### Current projects

CWTS is participating in several projects subsidized by for example the European Commission or NWO (Dutch Organisation for Scientific Research). The projects in which CWTS is currently involved can be found below.

<p>CHERRIES</p>	<p>FluidKnowledge</p>	<p>GAP</p>
<p>R-QUEST</p>	<p>NewHorizon</p>	<p>RISIS2</p>
<p>RIPEET</p>	<p>SOPs4RI</p>	<p>ZonMw</p>
<p>Knowledge ecosystems</p>	<p>SUPER_MORRI</p>	<p>U-Multirank</p>
<p>igraph</p>	<p>Mapping health and well-bein...</p>	<p>TARA</p>
<p>SciSTIP</p>	<p>STRINGS</p>	



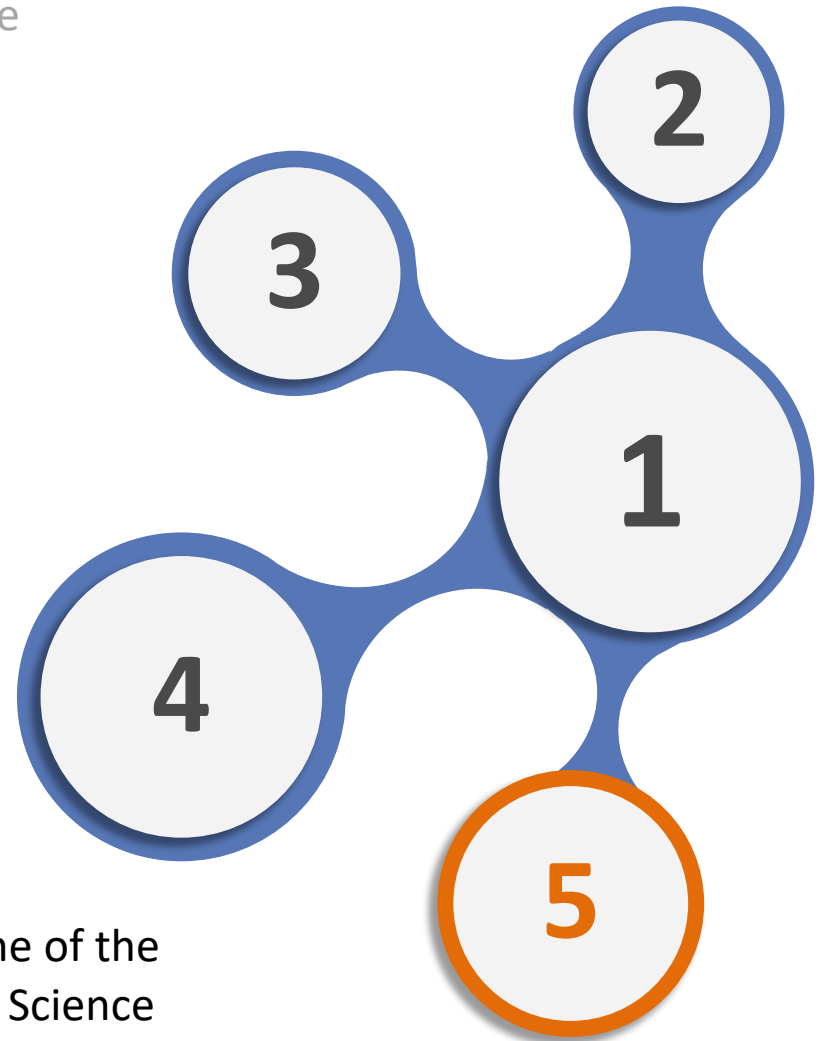
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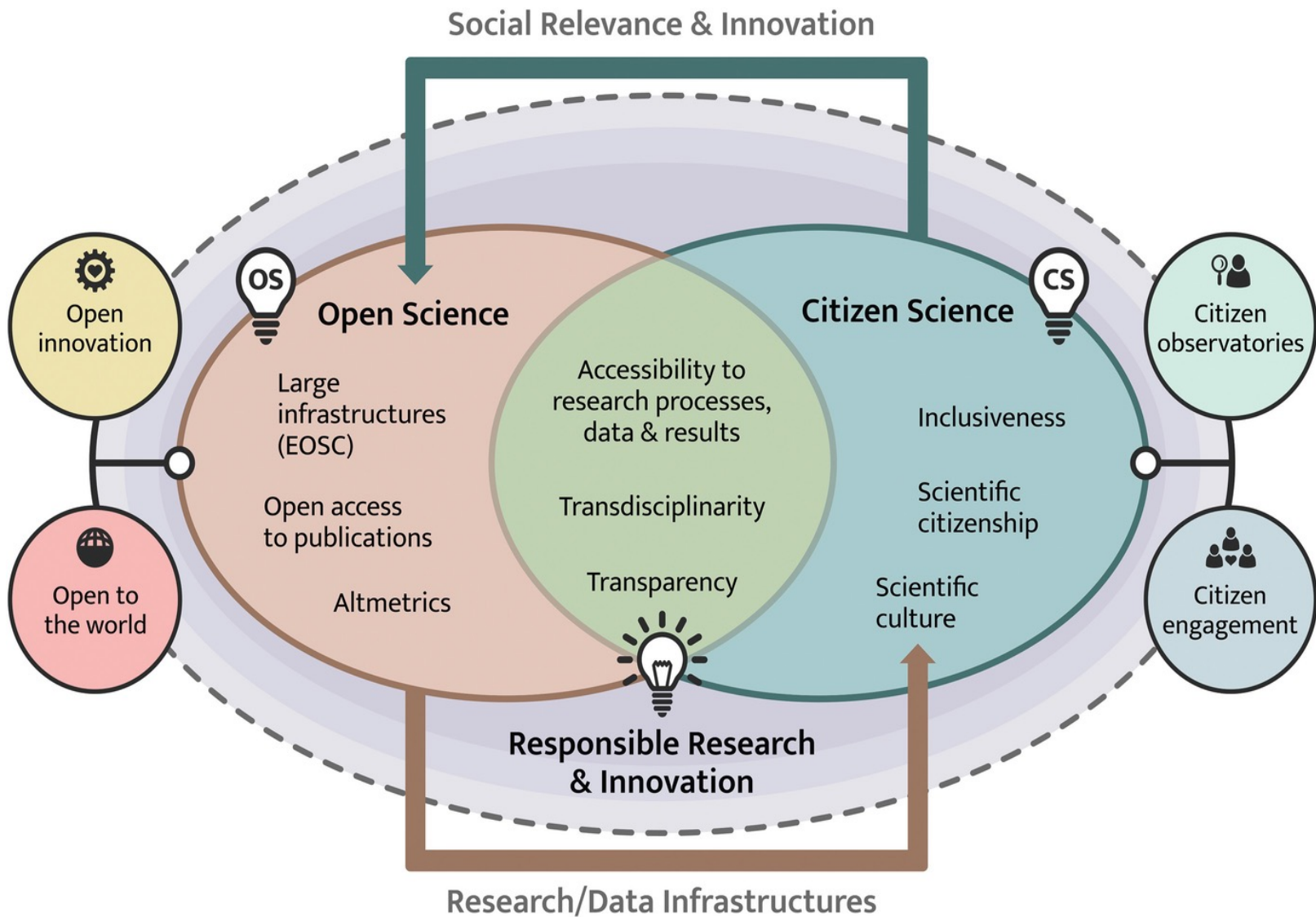
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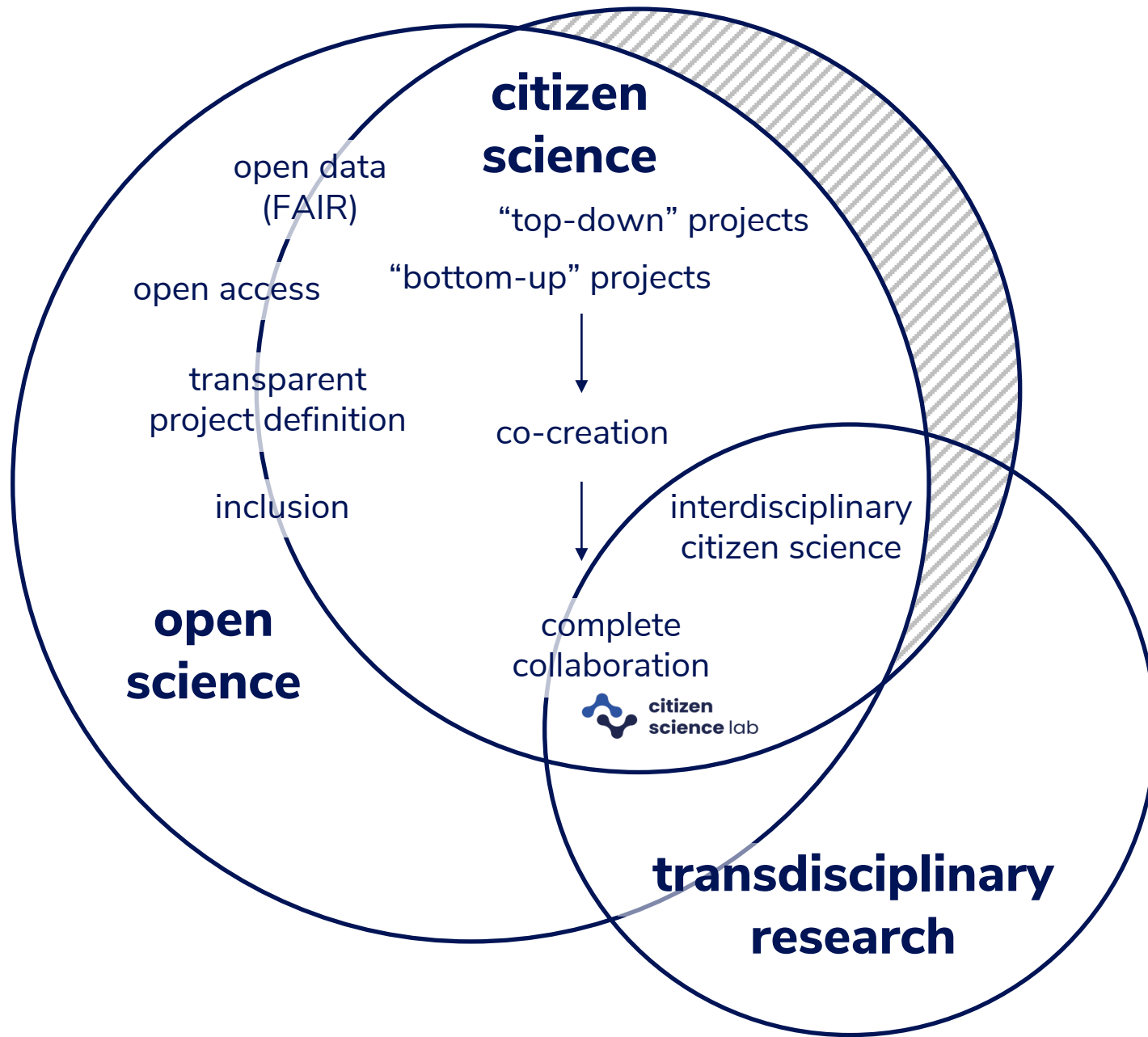
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# National Programme Open Science

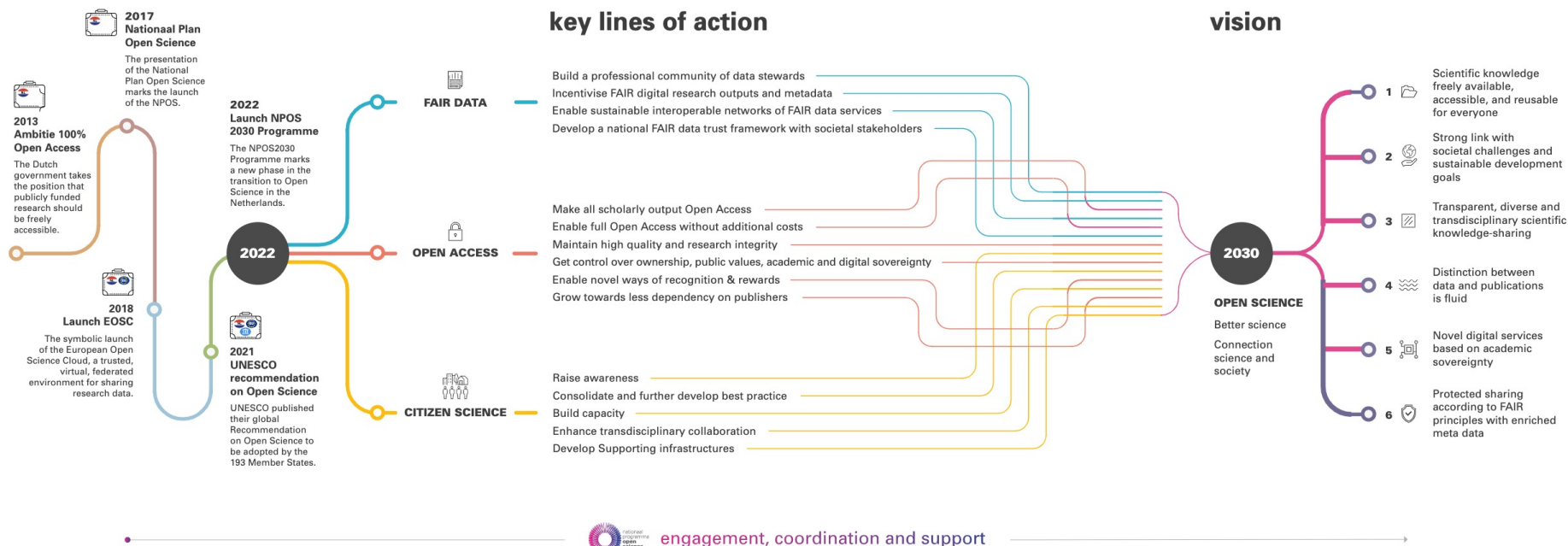


## NPOS Ambition 2030

2013 - 2021

2022 - 2030

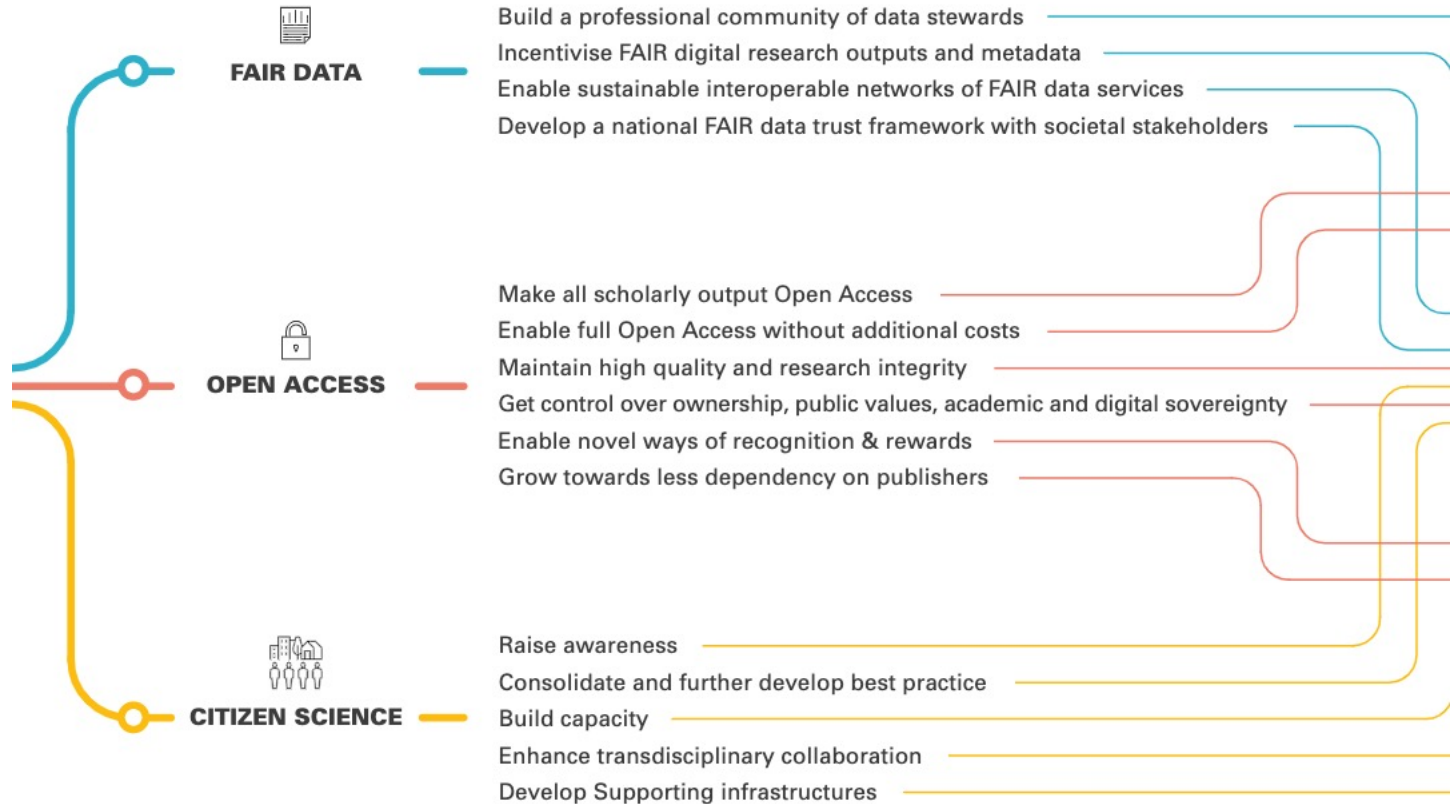
2030



IM-STUDIO.EU

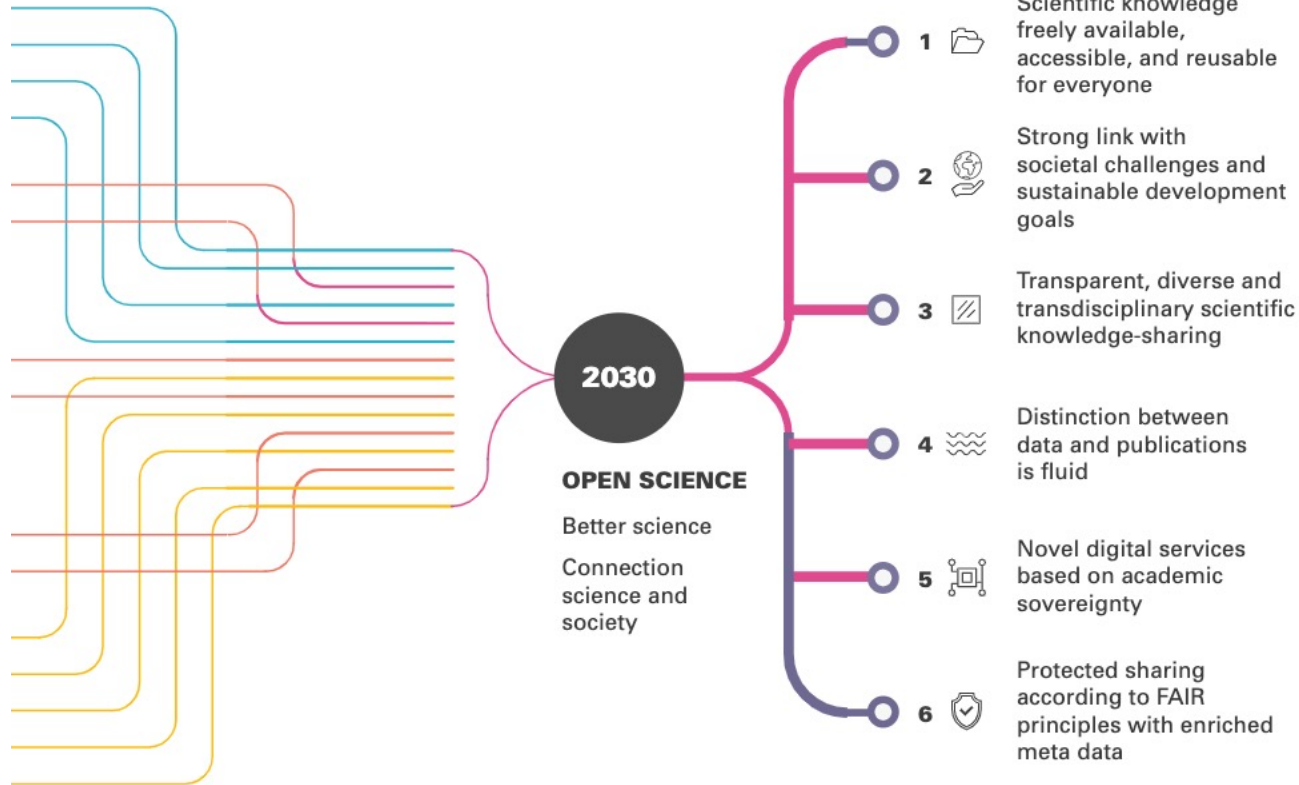
# NPOS Ambition 2030

## key lines of action

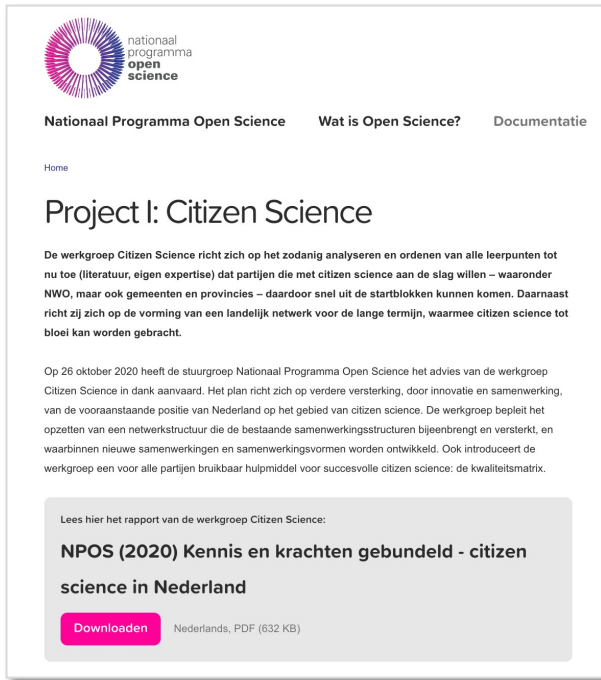


# NPOS Ambition 2030

## vision



# We are co-writing the NPOS Open Science Strategy 2030, to describe the Objectives for CS in OS in the NL



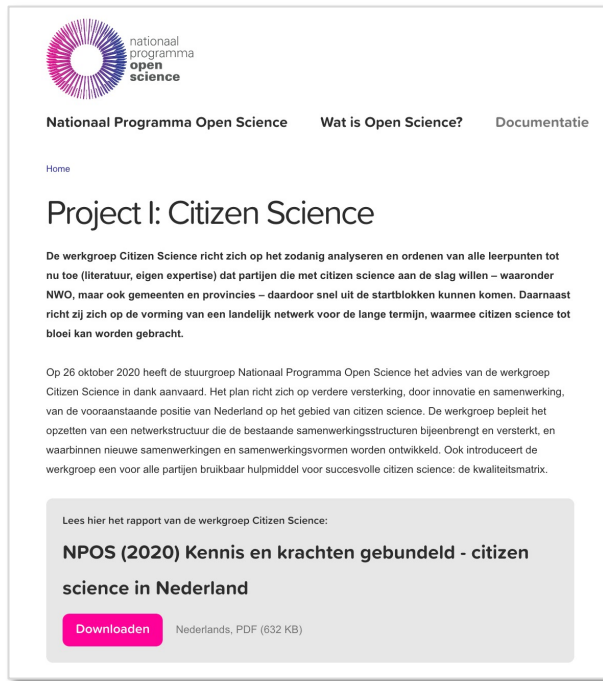
The screenshot shows the website for the National Open Science Program (NPOS). At the top left is the logo for 'nationaal programma open science'. Below it are navigation links: 'Nationaal Programma Open Science', 'Wat is Open Science?', and 'Documentatie'. The main heading is 'Project I: Citizen Science'. The text below describes the group's focus on analyzing and ordering learning points for citizen science, mentioning NWO, municipalities, and provinces. It also notes a steering group's advice from October 2020. At the bottom, there is a download button for a report titled 'NPOS (2020) Kennis en krachten gebundeld - citizen science in Nederland'.

## MISSION

Our mission is to ensure that by 2030, Citizen Science approaches are fully embedded and supported within Open Science research practices across the Netherlands, connecting science with society in open, inclusive and participatory processes for knowledge creation that are initiated by both citizen scientists and professional scientists.

Our vision is that Citizen Science in 2030 will be a natural and often indispensable part of scientific research that is anchored in the curriculum of higher and scientific education, is included in the system of recognition and appreciation, and is inclusive in terms of gender, migration background, affiliation or employment status, educational level, etc.

# We are co-writing the NPOS Open Science Strategy 2030, to describe the Objectives for CS in OS in the NL



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## HOW

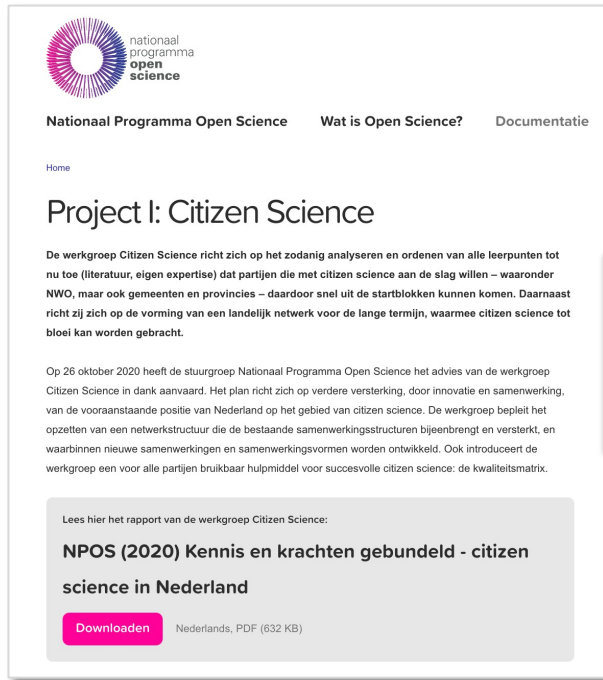
The main challenges facing the mainstreaming of Citizen Science (CS) within Open Science (OS) practices are awareness of and engagement in CS activities, the acceptability of CS data and methods for uptake in scientific research and policy making, and the long-term sustainability of CS initiatives in terms of community and infrastructure support, execution skills and capacity, and the ability to scale for greater impact.

A supportive and sustainable ecosystem for CS should therefore be established in the Netherlands to raise awareness of the benefits of CS approaches to science, policy and society; support the consolidation and further development of best practice across research communities; build capacity; foster greater and enhanced cooperation, synergies and transdisciplinary collaborations; and provide supportive infrastructures via technology, funding, and policy instruments.

The primary vehicle for achieving these objectives is the national Citizen Science Network ('the CS-NL Network') being established by the CS Programme line on the recommendation of the NPOS CS Working Group in their 2020 report 'Kennis en Krachten Gebundeld'



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## KEY OBJECTIVES

To accomplish our mission to establish a supportive ecosystem for open, inclusive and participatory processes for knowledge creation we have identified five key objectives:

1. Raise awareness;
2. Consolidate and further develop best practice;
3. Build capacity;
4. Enhance cooperation, synergies and transdisciplinary collaboration, and;
5. Develop and invest in supporting infrastructures

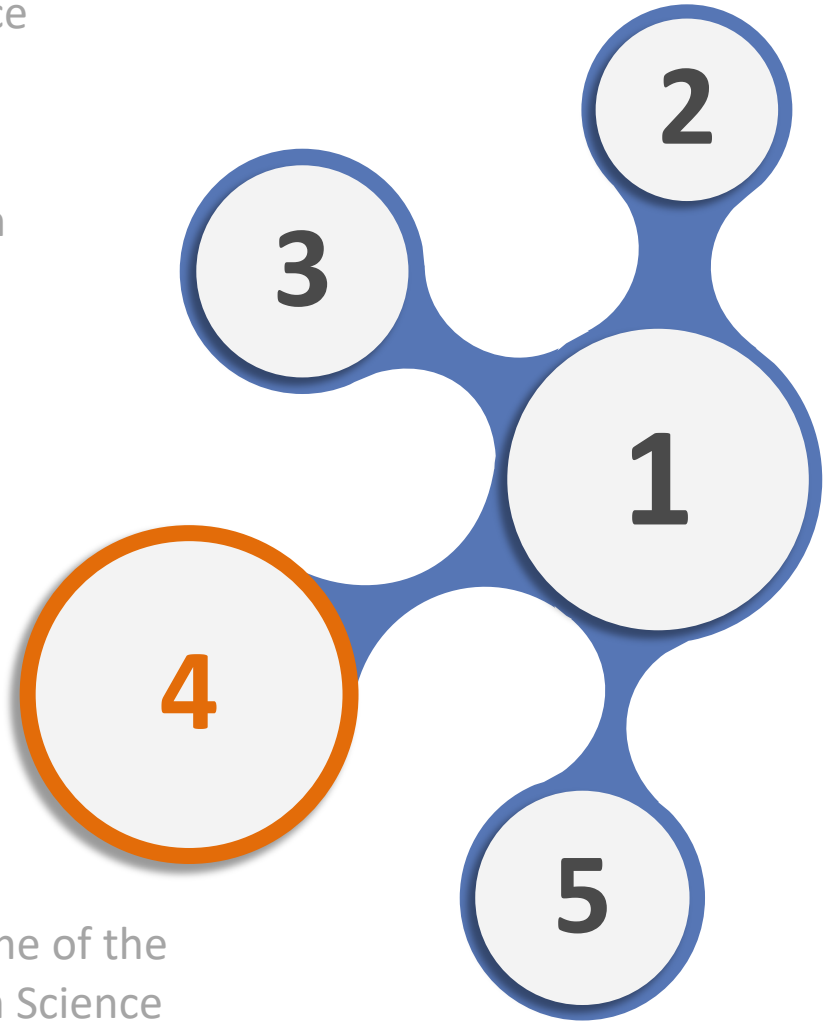
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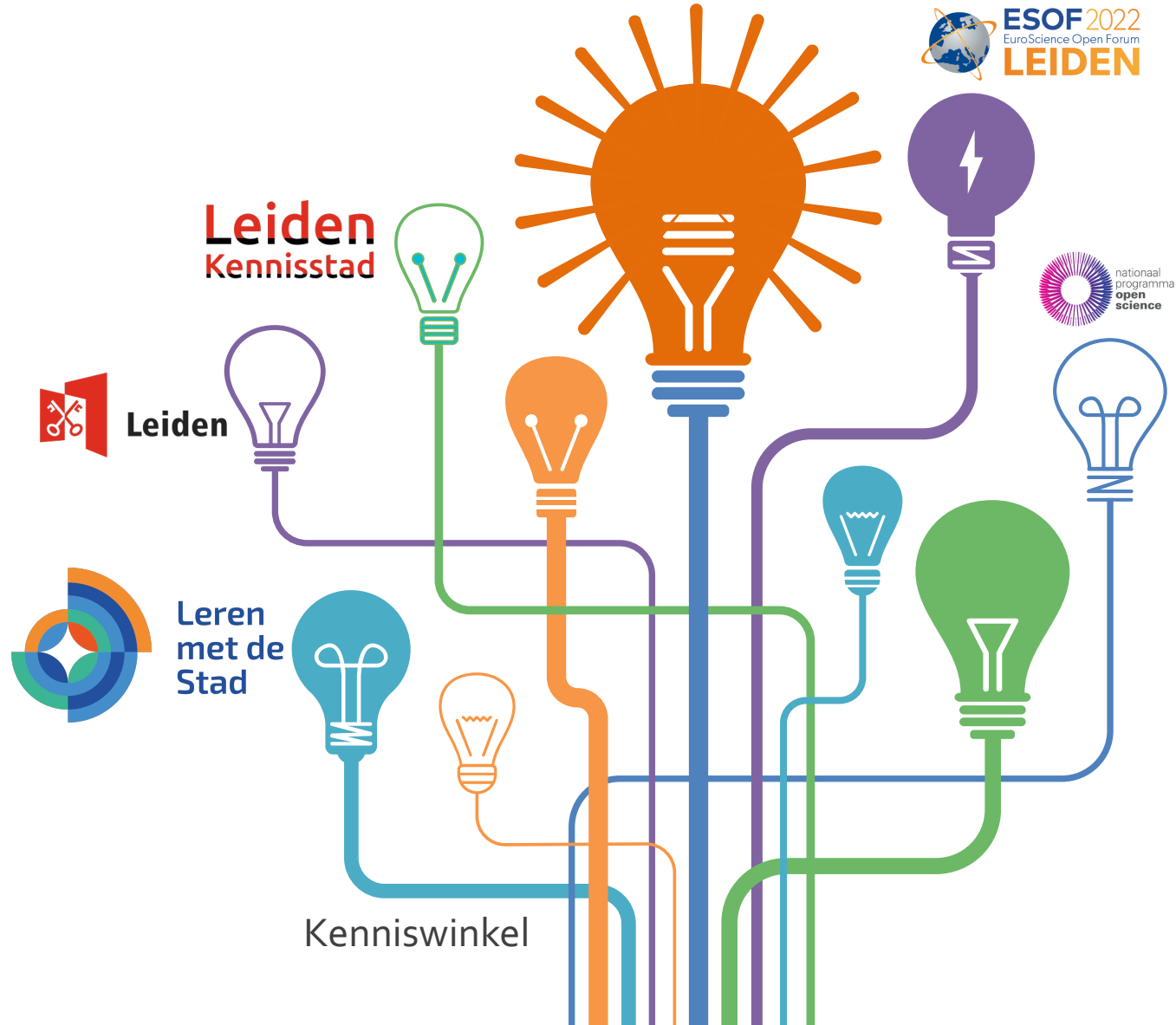
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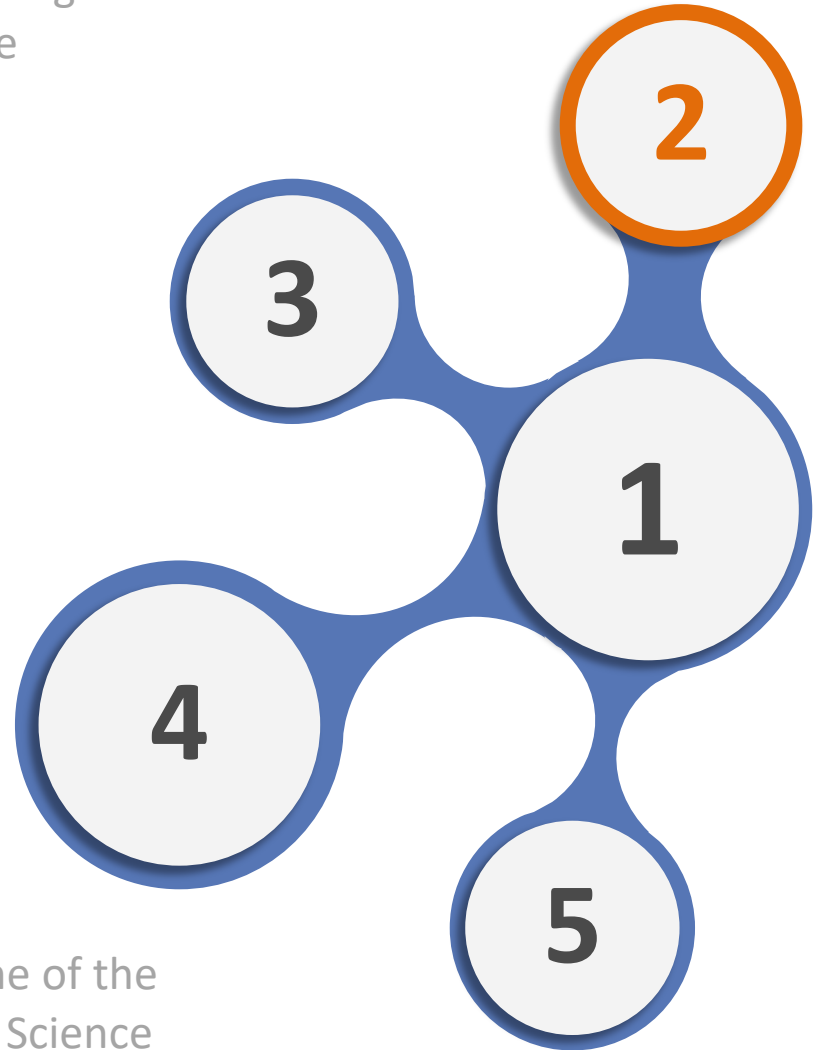
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# European City of Science Leiden2022





**Participate** in Citizen Science related to every scientific theme

**Participate** in Citizen Science in the Neighbourhoods



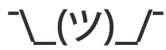
# European City of Science Leiden2022

leiden2022.nl/365

MICRO	ANGST	BEELDBLUS	INSULINE	DROMEN	CYBER	BODEM	ZORG	HYPOTHESE	YETI
STRAF	SKELET	RÖNTGEN	GAME CHANGER	KLEUR	BOULDER	ROOFKUNST	VEERKRACHT	SOLIDARITEIT	PASTEUR
T. REX	STRESS	ELEMENT	BENAUWD	PALING	SPIEREN	HUIZINGA	MOONWALK	HOUT	ZUID AMERIKA
BLUE	PRESS	SCIENCE	THERAPIE DIER	WACHTWOORD	STOF	MARS	INTER NATIONAL	TOEKOMST	CELLO
GESLAAGD?	TOETECHAMON	FAKE NEWS	ANTIBIOTICA	BLACK BOX	CRISIS	PILLEN DRAAIER	VINEX	FRACTAL	JUNGLE
NS	TINY	ROOKIE	ACHTEROM KIJKEN	LUISTER!	HANDICAP	MENSEN RECHTEN	SATURNALLA	ADVENT	DRUIF
SSSTI	METAMORF	MIDDEN OOSTEN	LEIDS ADRES	HEIMWEE	BANK	PLANNING	ARABISCH	EENZAAM	

-  Freedom
-  Global challenges
-  One health
-  Liveable planet
-  Building blocks of matter
-  Space for Science
-  The future of AI is human
-  Heritage & museums





# Who knows the unknown?

The unknown as an infinitely curiosity-inducing source of inspiration for science. We have no view of 97% of the universe. 95% of the oceans are still completely unknown to us. We have not yet mapped 85% of all species on earth. We still know very little about the human brain... A tempting perspective of not yet knowing. Food for big questions.



PO Box 071  
**POSTMASTER**

## 22 Big Questions

- Freedom
- Global challenges
- One health
- Liveable planet
- Building blocks of matter
- Space for Science
- The future of AI is human
- Heritage & museums

**Kennis door de Wijken: [leiden2022.nl/365](http://leiden2022.nl/365)**



Questions filtered for CS applicability

Multi-stakeholder engagement

Co-Design



European City of Science  
Leiden2022

**New Citizen Science Project**

**Let's go find out !!**





**citizen  
science lab**

[www.CitSciLab.org](http://www.CitSciLab.org)

