Observing the Environment: Challenges and Opportunities in Citizen Science

Dahlia Domian / IIASA

Meeting Objectives

This meeting brings together the 4 sister projects on **Citizen Observatories for Environmental Monitoring** funded by H2020 and launched in 2016 to:

- Showcase their **achievements**
- Share **best practices**
- Identify **obstacles**
- Discuss **impact & sustainability** beyond the project lifecycle
- Share **solutions & recommendations** for future COs

The Citizen Observatories Projects

groundtruth2.0

GROW OBSERVATORY

LandSense

A Citizen Observatory and Innovation Marketplace for Land Use and Land Cover Monitoring

scent

AGENDA	
9:00 – 9:40	Introduction: Context and objectives
9:40 - 11:00	Project Presentations: Outputs & challenges (20 min each) • Ground Truth 2.0 • GROW Observatory • LandSense • Scent
11:00 – 11:15	*Coffee Break*
11:15 – 12:15	Interactive Session: Overcoming challenges to the integration of citizen science in environmental monitoring
12:15 – 13:15	*Lunch Break*
13:15 – 14:00	Interactive Session: Reporting back & discussion
14:00 – 14:15	Citizen Science: Providing knowledge for EU environmental policies
14:15 – 14:20	State of play Horizon Europe
14:20 – 14:35	*Coffee Break*
14:35 – 15:35	Fishbowl Discussion: Opportunities & questions for the future
15:35 – 16:00	Wrap up: Key insights and next steps

An Ecosystem of Citizen Observatories for Environmental Monitoring

Dahlia Domian / IIASA

WeObserve at a Glance

Project Title: WeObserve: An Ecosystem of Citizen Observatories for Environmental Monitoring

Start Date: 01.12.2017

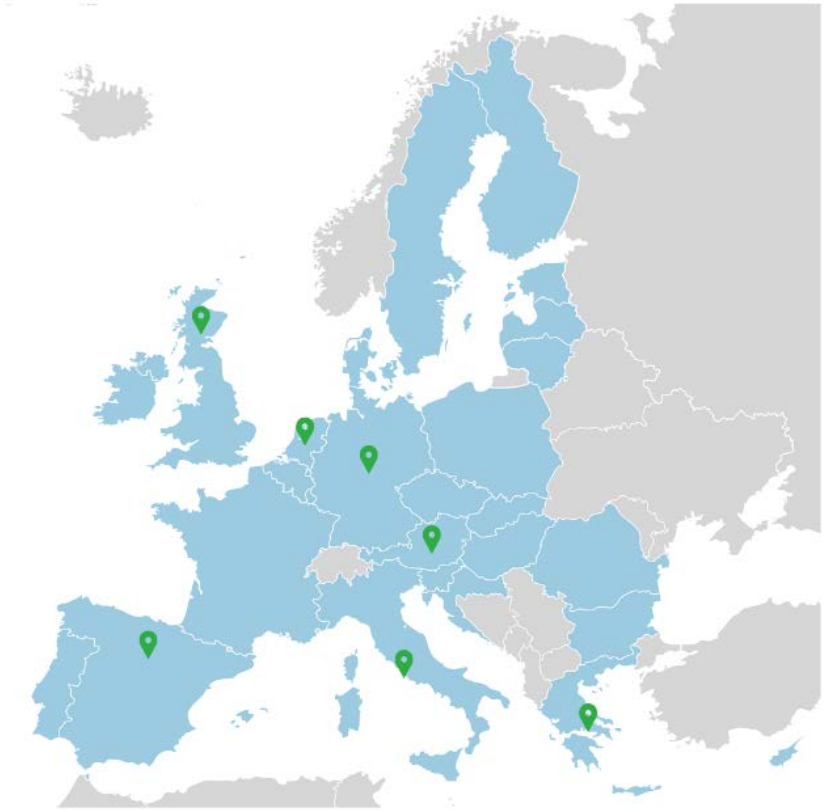
Duration: 36M

7 partners

4 running CO projects

Coordinated by the International Institute for Applied Systems Analysis (IIASA)

www.weobserve.eu



WeObserveEU WeObserveEU

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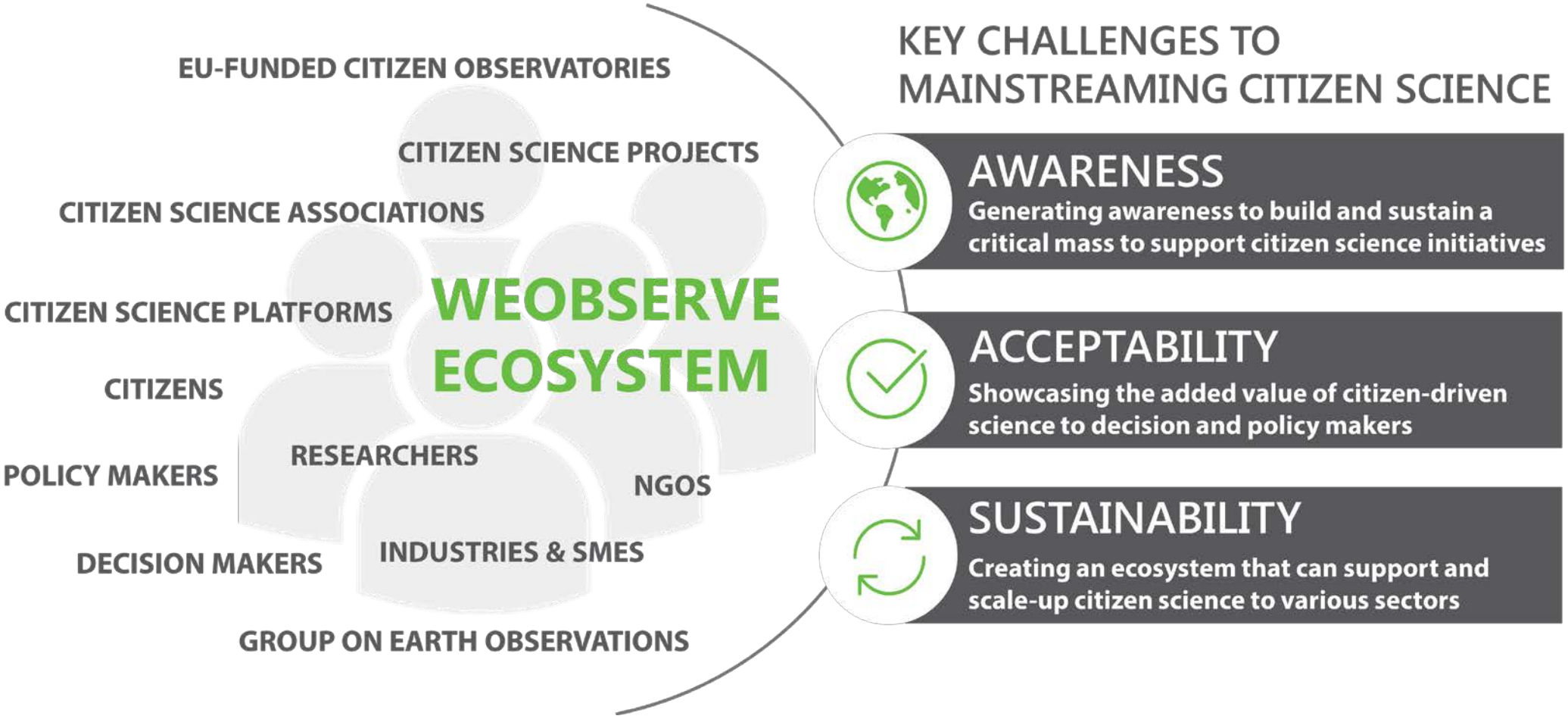
WeObserve Key Challenges



WeObserve Vision & Mission

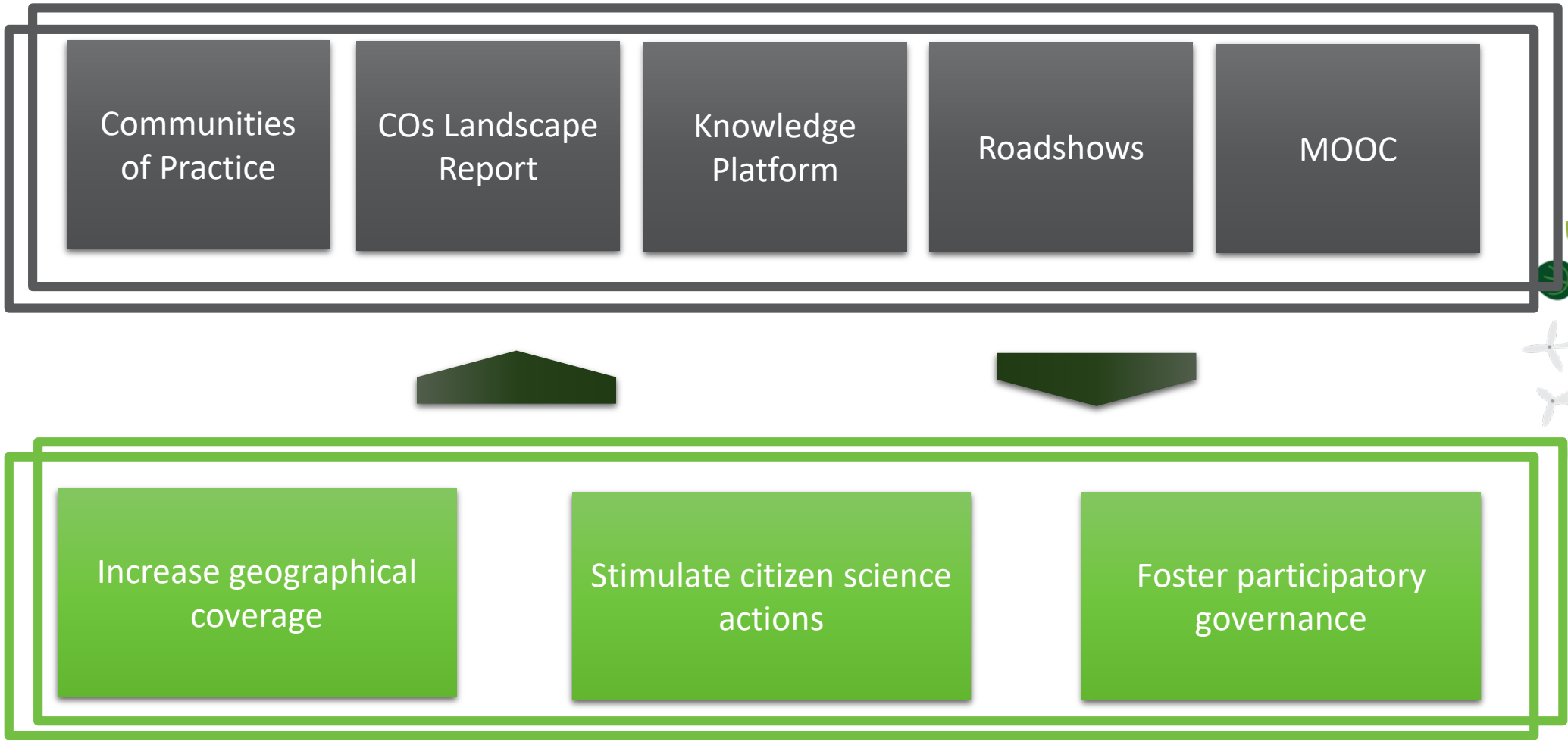
Vision: Citizen Observatories are an integral component of managing environmental challenges and empowering resilient communities

Mission: To move citizen science into the mainstream by building a sustainable ecosystem of citizen observatories and related activities

WeObserve Objectives

1	Develop **communities of practices** around key topics to assess and strengthen the current **CO knowledge** base to tackle **environmental challenges** using CO-driven science
2	Extend the **geographical coverage** of the CO knowledge base to **new communities** and support the implementation of **best practices and standards** across multiple sectors
3	Demonstrate the **added value** of COs in **environmental monitoring** mechanisms within regional and global initiatives – **GEOSS**, **Copernicus**, **UN SDGs**
4	Promote **information uptake** from CO-powered activities across various sectors and foster **new opportunities and innovation** in the business of in-situ Earth observation

Key instruments & outcomes

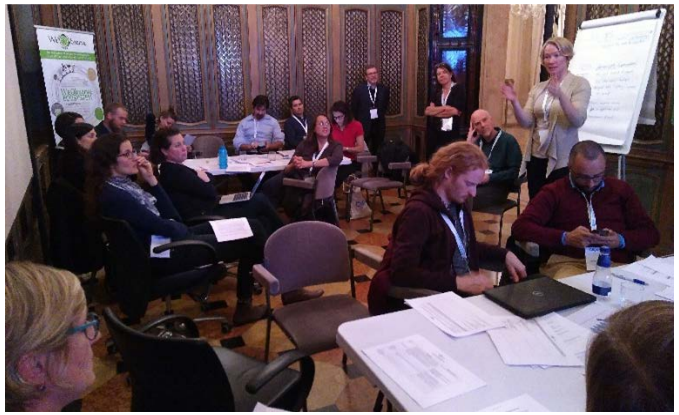


WeObserve Communities of Practice (CoPs)

CoP Achievements

3 CoPs Kick off, ECSA Geneva (Jun 2018)

Forum #1 & SDG CoP launch, COWM Venice (Dec 2018)



Forum #2, EGU Vienna (Apr 2019)

All 4 WeObserve CoPs have formed stable groups of practitioners, with a clear focus on their respective themes working on reports and publications

- Monthly telecons
- 4 F2F meetings

Massive Open Online Course (MOOC)

Benefits of MOOCs

- ✓Combine **multimedia** educational materials
- ✓Learning online through **peer to peer** and community engagement
- ✓High participation numbers to **scale up** any effort
- ✓**Open access** to learners from all over the world

Aims of the WeObserve MOOC

1. Deliver a novel learning journey in environmental and citizen sensing
2. Develop the knowledge of how to replicate and deliver a Citizen Observatory
3. Provide skills training to scale up and engage people in participatory science

WeObserve MOOC

Enroll Now!

www.futurelearn.com/courses/weobserve-the-earth

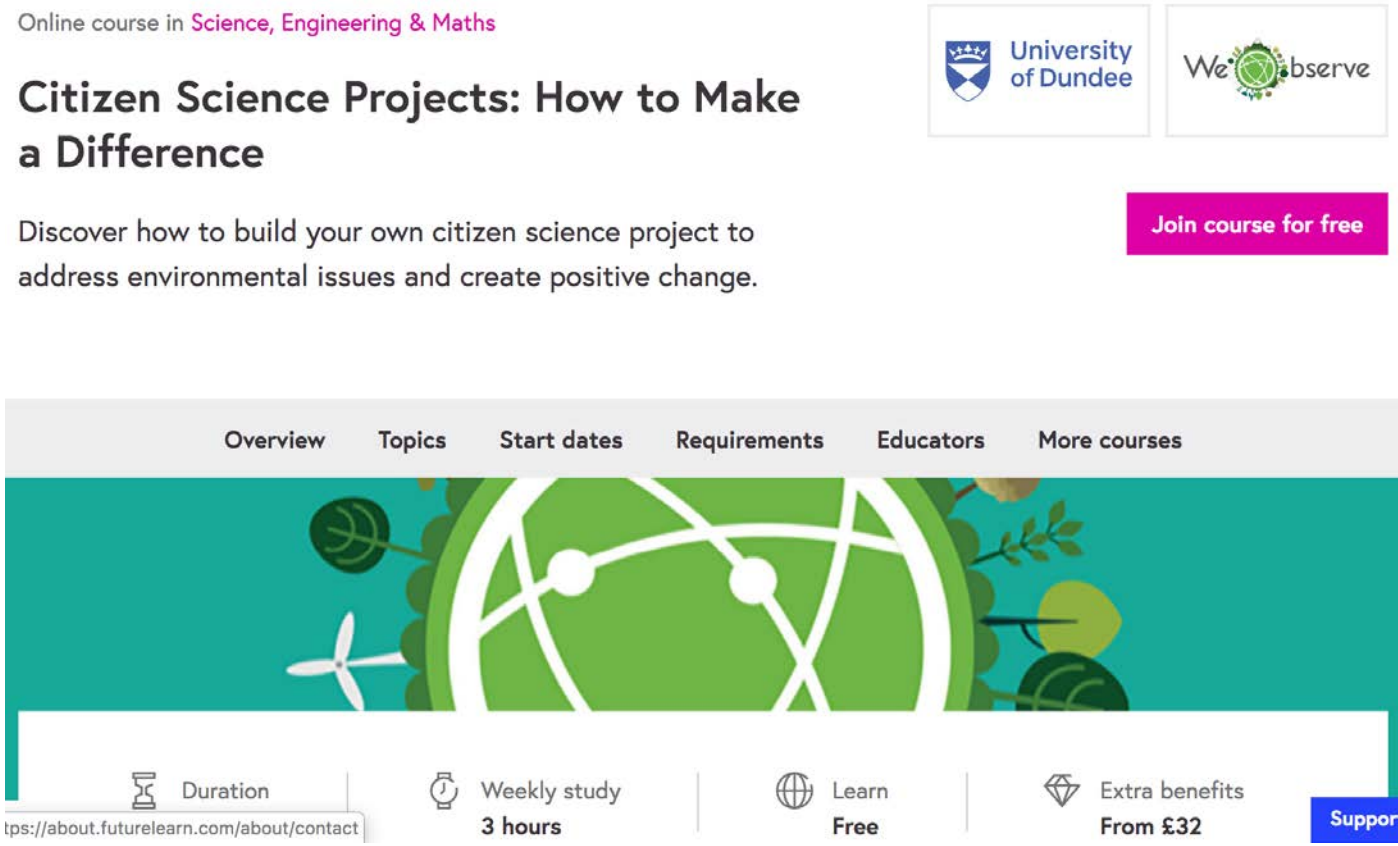
October 2019

Allows you to discover how to build your own citizen science project to address environmental issues and be the change you wish to see in the world.

Course length: 4 weeks

Start date: 18 Nov 2019

Educators: All WeObserve partners developing and authoring content showcasing CO's.



THANK YOU!

Any Questions?

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