

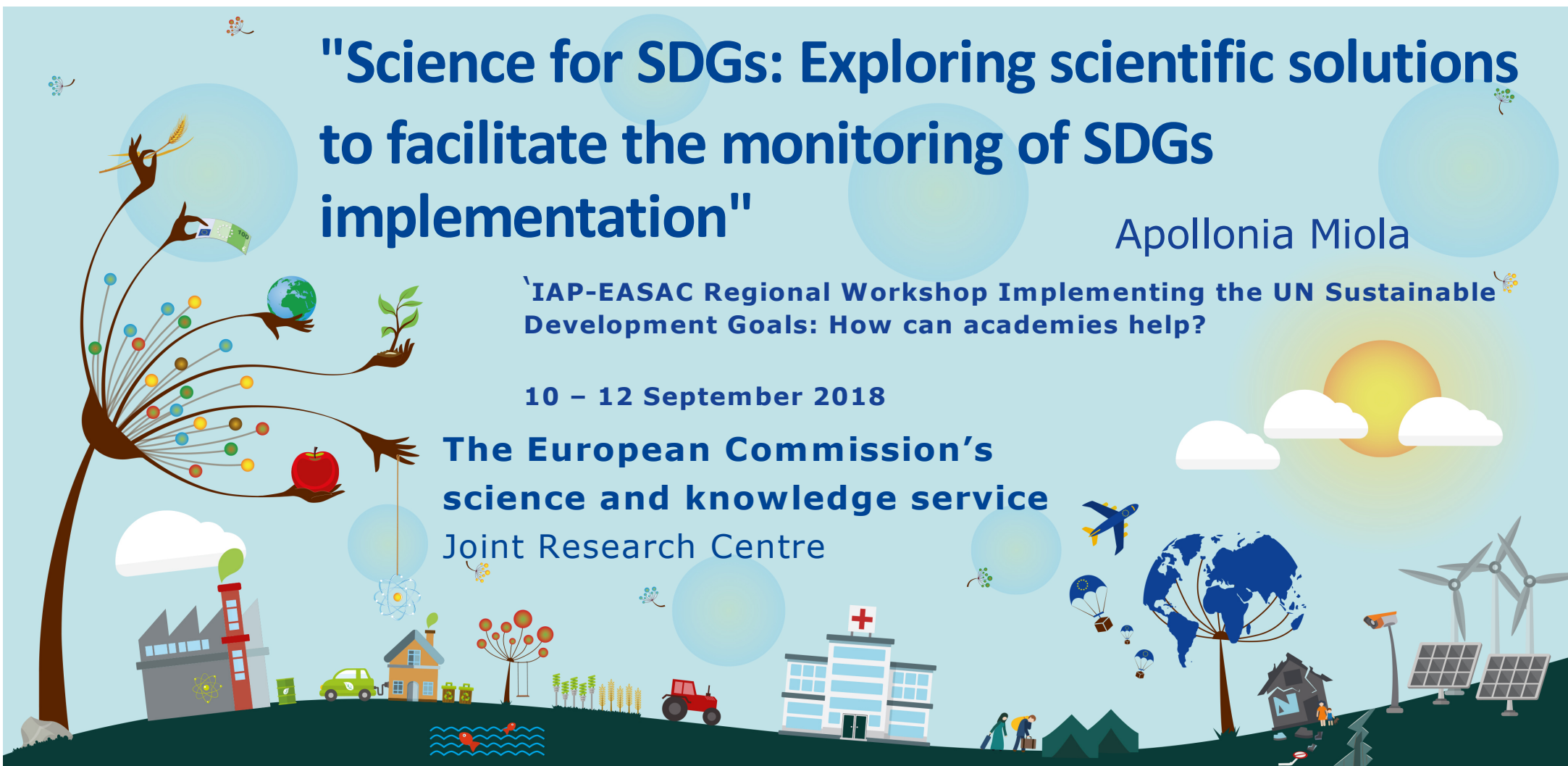
"Science for SDGs: Exploring scientific solutions to facilitate the monitoring of SDGs implementation"

Apollonia Miola

'IAP-EASAC Regional Workshop Implementing the UN Sustainable Development Goals: How can academies help?

10 – 12 September 2018

**The European Commission's
science and knowledge service
Joint Research Centre**



**The European Commission's
science and knowledge service**

Joint Research Centre

**"Science for SDGs: Exploring
scientific solutions to facilitate
the monitoring of SDGs
implementation"**

A. Miola – EC JRC Directorate D



The Joint Research Centre at a glance

3000 staff

Almost 75% are scientists
and researchers.
Headquarters in Brussels
and research facilities
located in 5 Member States.



UN and European Union policy context

UN SDGs: International context



On 1 January 2016, the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda for Sustainable Development officially came into force

UN SDGs: International context

- The SDGs are not legally binding.
- Countries take ownership and establish a framework for achieving the Goals.
- Implementation and success will rely on countries' own sustainable development policies, plans and programmes.
- Countries have responsibility for follow-up and review, at the national, regional and global levels, with regard to the progress made in implementing the Goals and targets over the next 15 years.
- Actions to monitor progress will require quality, accessible and timely data collection and regional follow-up and review.

UN SDGs: the European Union context



UN SDGs: the European Union context

How the EU will take forward the implementation of the 2030 Agenda

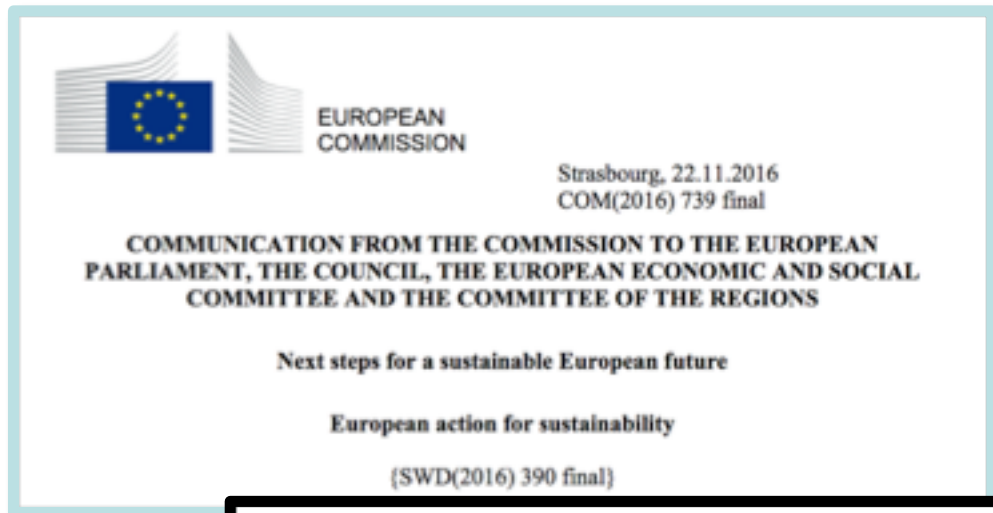
1. Governance: a holistic and cross-sector policy approach to ensure that economic, social and environmental challenges are addressed together

2. Financing: the Commission will explore how EU budgets and future financial programmes can best contribute to the delivery of the 2030 Agenda

3. Measuring progress: the Commission will contribute by monitoring, reporting and reviewing progress towards the Sustainable Development Goals

4. Shared responsibility: Implementation needs to be taken forward in partnership with all; a multi-stakeholder Platform will bring stakeholders together

UN SDGs: the European Union context





English

Search

European Commission > Strategy > International strategies > Global topics >

Sustainable Development Goals

EU approach to sustainable development

The EU approach towards implementing the UN's 2030 Agenda for Sustainable Development together with its member countries.

Multi-stakeholder platform on SDGs

Role, structure and working methods

Members

Meetings

Feedback on the implementation of the Sustainable Development Goals in the EU

Support and Advise

Statistics to monitor the SDGs in an EU context

The Eurostat website contains a section dedicated to sustainable development where you will find the monitoring report on progress towards the SDGs in an EU context, detailed information on each SDG, visualisation tools as well as direct access to the data.

EU policies and actions

EU policies and actions contributing to the Sustainable Development Goals.

European Commission > Strategy > Sustainable Development Goals > EU policies and actions >

Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable

PAGE CONTENTS

- Overview
- EU Actions
- Target 11.1
- Target 11.2
- Target 11.3
- Target 11.4
- Target 11.5
- Target 11.6
- Target 11.7
- Target 11.a
- Target 11.b
- Target 11.c

Overview

Within the EU, the urban dimension is at the very heart of [EU Cohesion Policy](#). More than EUR 100 billion is being invested up to 2020 to support urban mobility, energy efficiency, as well as urban renewal, research and innovation capacity, and regeneration of deprived communities. Making the Union's cities more sustainable is one of the priorities of the [7th Environment Action Programme](#).

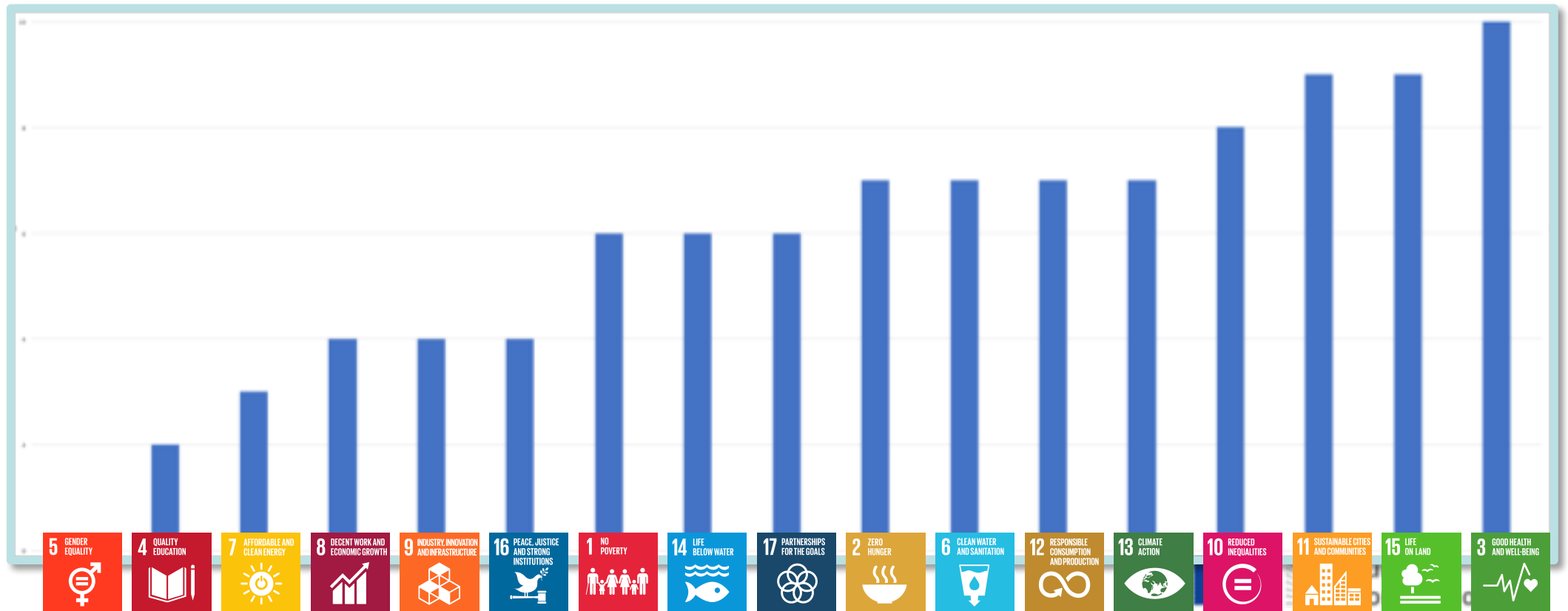
Across the globe, the [European development policy](#) seeks to improve living conditions in cities. These efforts are directed to slum upgrading, access to water and sanitation, urban mobility, energy efficiency and affordable housing, land access, and disaster prevention and preparedness. Closer to its borders the EU relies on the [European Neighbourhood Policy](#) and the [Enlargement policy](#).

A full list of EU policies and actions supporting Goal 11 is available below.

EU actions

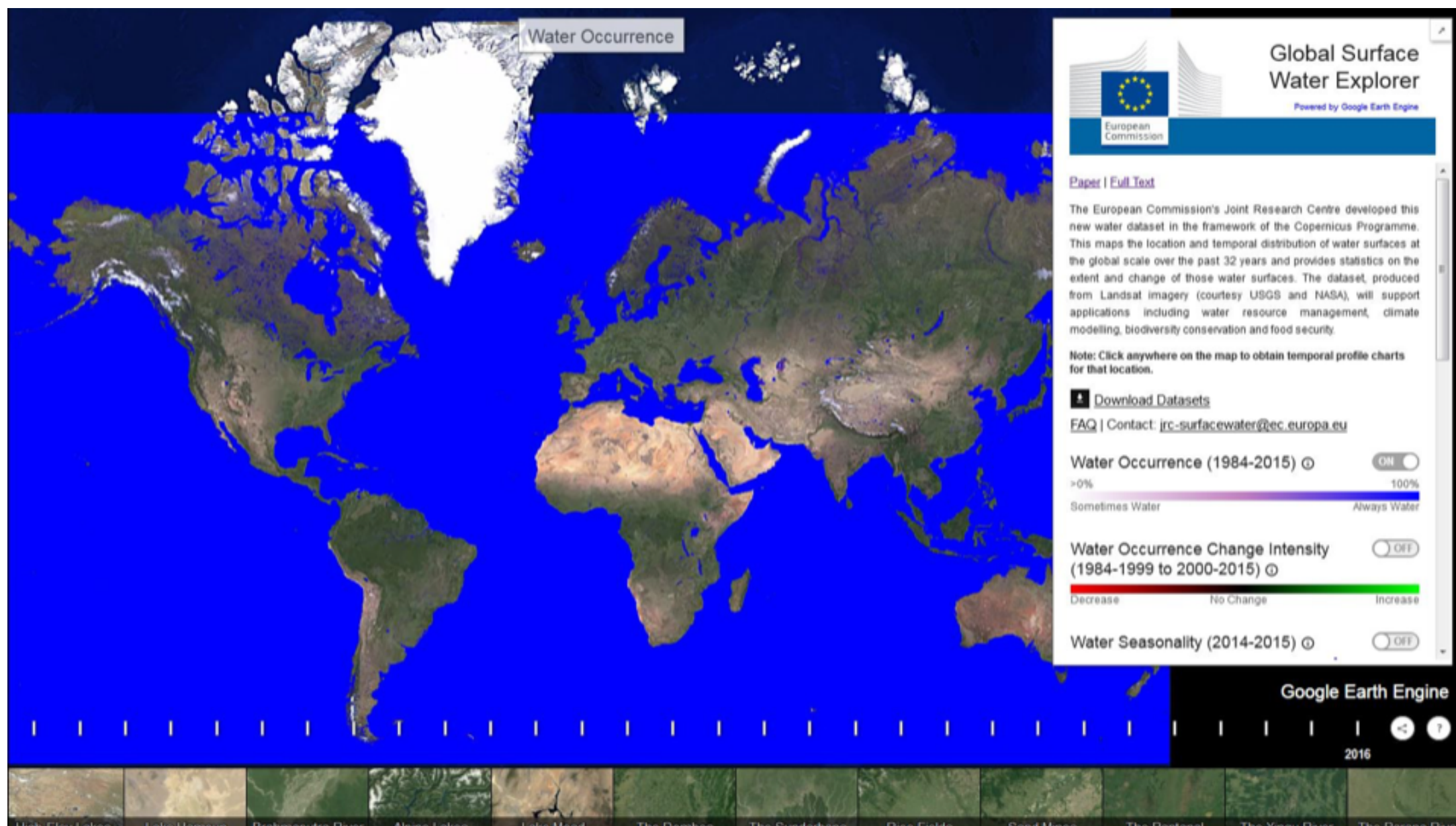
Science for SDGs : examples from the JRC research activity supporting SDGs implementation

Number of JRC Projects/Work Packages addressing individual SDGs at least 47 are involved, and 4 Projects address all SDGs collectively

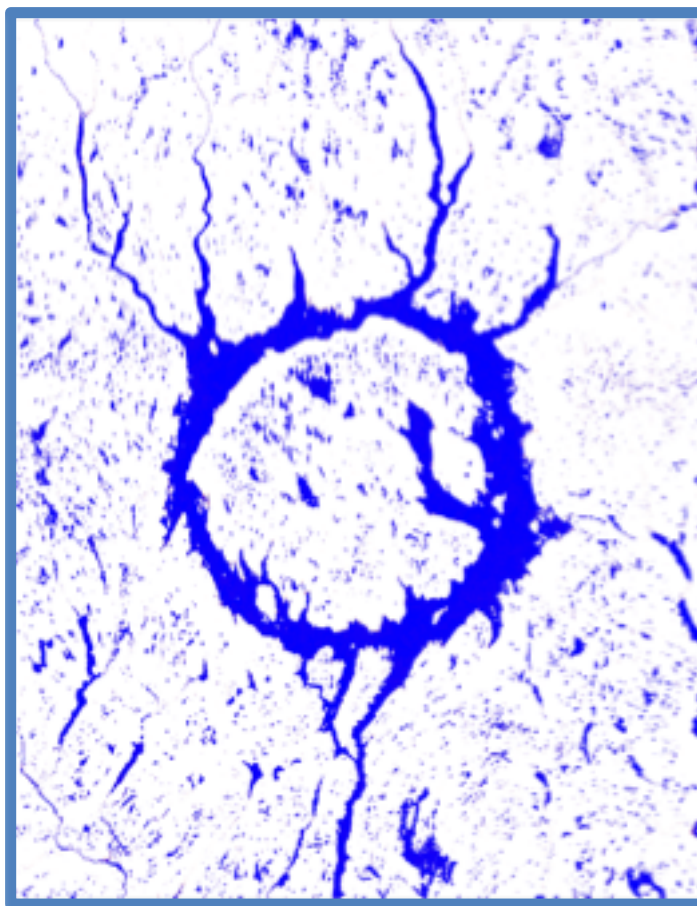
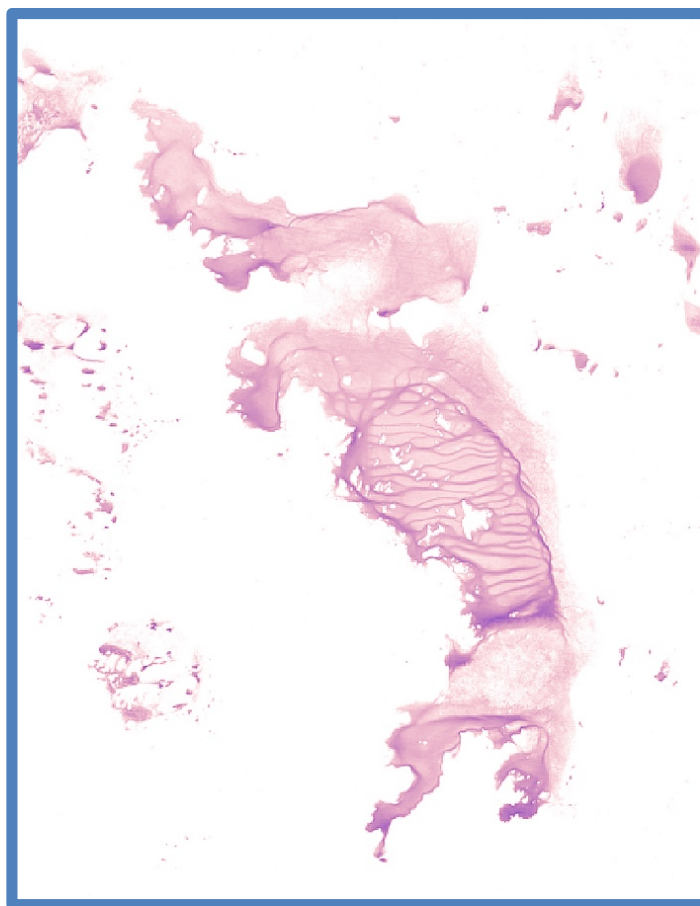


... in the overarching policy framework involving EU Member States, EC and International Processes





Measuring progress: The Global Surface Water Explorer <https://global-surface-water.appspot.com/>



Target 6.6: By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, *aquifers* and lakes

Indicator 6.6.1: Change in the extent of water-related ecosystems over time

GSWE maps and statistics are fully validated and have been distributed to over 180 countries by UN Environment for consideration as reporting against Indicator 6.6.1.a: Spatial extent

Interlinkages among the SDGs




Visualizing key interactions from the perspective of Goal 7 (co-benefits)



Visualizing key interactions from the perspective of Goal 7 (trade offs)

Identification of the European Union key policy nodes

Commission and its priorities Policies, information and services



Search

European Commission > Strategy > Sustainable Development Goals >

EU policies and actions



Commission and its priorities Policies, information and services



Search

European Commission > Strategy > Sustainable Development Goals > EU policies and actions >

Goal 6. Ensure availability and sustainable management of water and sanitation for all



USE CONTENTS

Overview

Within the EU, the [EU water policy](#) addresses protection of inland surface waters, transitional waters, coastal waters and groundwater. It relies on [legislation](#) on drinking water, bathing water and urban waste water, as well as on prevention of pollution caused by nitrates, industrial emissions, pesticides and persistent organic pollutants. Water resources protection is as well addressed in the [7th Environment Action Programme](#) of the EU environment policy until 2020.

European Commission Community of Practice on SDGs

The screenshot displays the homepage of the European Commission Community of Practice on Sustainable Development Goals (SDGs). The header features the European Commission logo and navigation links. The main content area includes a welcome message, a row of 17 SDG icons, and sections for key documents, featured content, and recent activity. A sidebar on the left provides quick links to various SDG-related resources, and a right sidebar offers actions and a search bar.

MESSAGE TO COP MEMBERS

Please post comments, any material and your questions to the SDGs in general in this space. If you are interested in a thematic field as captured by a specific Goal choose the SDG of interest. There you will find an overview over all material related to the specific Goal, its inter-linkages and an overview of policies related to it.

QUICK LINKS

- UN SDGs Knowledge Platform
- SDG on UN SDGs (Members)
- SDG on EU web presence
- SDG Reporting and Monitoring
- JRC IncoSDG Platform

THINGS TO USE

For the Cop-SDGs use tags if edge, if you edge if top and for specific Goal if tag if edge or if only if (B Details)

Overview Cop-SDGs

17 SDG SUB-SPACES

Welcome to the Community of Practice: Sustainable Development Goals

This Community of Practice serves to pool distributed expertise, improve information sharing and enhance collaboration among relevant stakeholders with the objective to mainstream the SDGs into European policies and to meet the challenge of providing a holistic and coherent policy response for Sustainable Development.

Key documents

- [A Proposal for a new European Commission on Development \(COM\(2016\)5740 final\)](#)
- [A Road map for a sustainable European future \(European action for sustainability, COM\(2016\)5736 final\)](#)

Join the discussion

FEATURED CONTENT

[Transforming our world – the 2030 Agenda for Sustainable Development](#)
12 months ago

RECENT ACTIVITY

Filter

- [Apollonia WOLLA mentioned Community of Practice: Sustainable Development Goals](#)
1 day ago [Show member content](#)
- [The World in 2050 – Transformative Pathways toward Sustainable and Resilient Societies in 2050 and Beyond – Insights from Science](#)
- [Shared by Peter BONGIORN from Partners Community of Practice](#)
2 weeks ago [Show more](#)
- [The start of a new poverty narrative – from Brookings](#)
https://www.brookings.edu/future-development/2016/09/16/the-start-of-a-new-poverty-narrative/?utm_campaign=Global%20... from Thomas Heilmann Vice President and Director – Global Economy and Development Knowledge Platform Chief Operating Officer – World Data Lab Martin Hutter Research Analyst – World Data Lab 1,687 September, the BR &...
- [Alex BONGIORN in Community of Practice: Sustainable Development Goals](#)
3 weeks ago [Show more](#)

UPCOMING EVENTS

- [Create a new event](#)

ACTIONS

- [Start a discussion](#)
- [Write a document](#)
- [Upload a file](#)
- [Write a blog post](#)
- [Create a poll](#)
- [Create a sub-space](#)
- [Create a project](#)
- [Create by email](#)
- [View feeds](#)
- [Create a video](#)
- [Create an event](#)
- [Create an idea](#)
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SEARCH

[Search](#)

WARNING: BE POLICED ONTO THE SDGs

[EU policies and actions](#)

Stay in touch



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