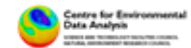




KNOWLEDGE EXCHANGE

Climate Change Initiative

Communication
Storytelling
Training
Open Data Portal
Toolbox





Climate Change Initiative

**KNOWLEDGE
EXCHANGE**

Five Work Packages. One Mission.

Jürgen Wehnert - Project Manager for Powers of 10 10^x

Back in 2024:



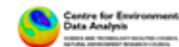
KNOWLEDGE EXCHANGE

Climate Change Initiative

We need you

Community
Storytelling
Training
Open Data Portal
Toolbox
Climate Science Outreach

Jürgen Wehnert - Project Manager for IO^x



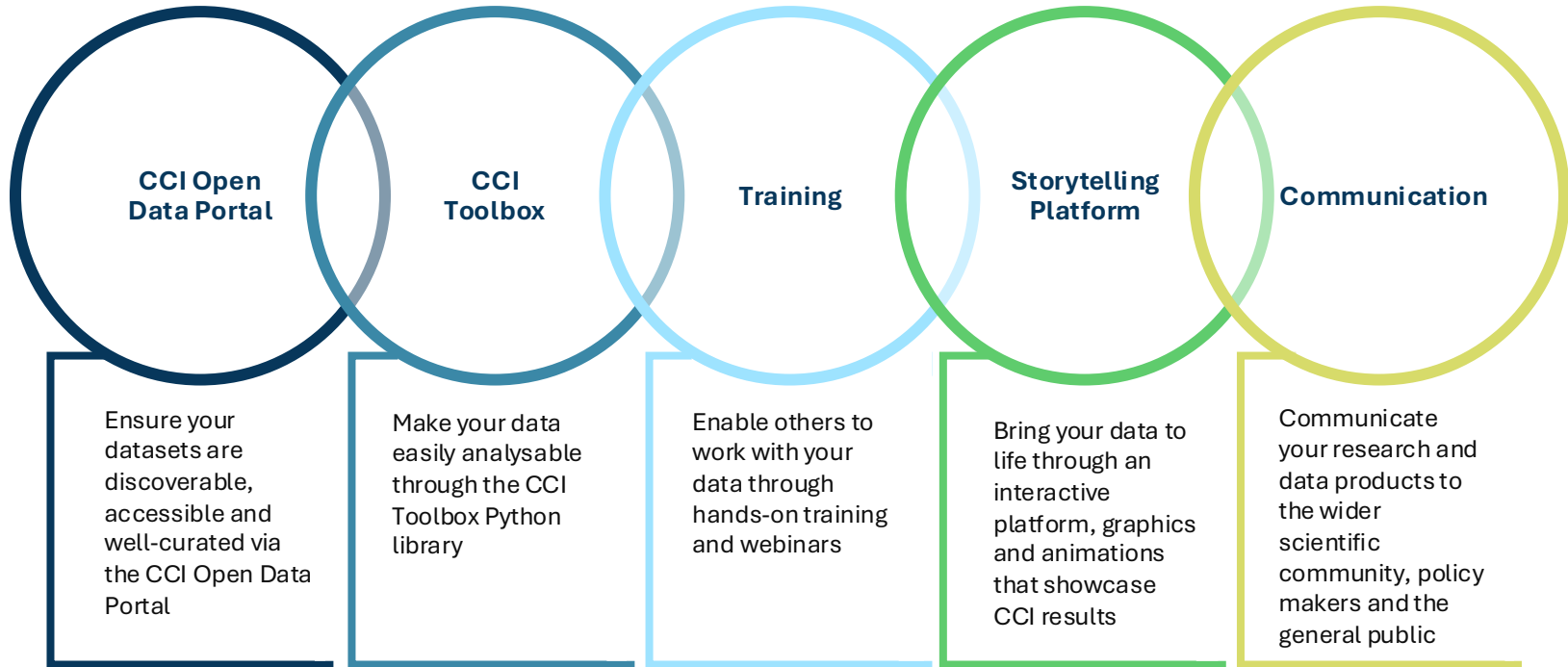
An aerial photograph of a forest with a dirt road running through it. The image is split vertically: the left side is green, representing a healthy forest, and the right side is blue, representing a deforested area. The text is overlaid on this image.

Our remit and our goal:

**WE AMPLIFY THE VISIBILITY
AND IMPACT OF ESA'S CCI
CLIMATE DATA AND OF THE
RESEARCH YOU BUILD ON IT.**

- IT'S ALL ABOUT IMPACT -

Climate Change Initiative (CCI) Knowledge Exchange: 1 Dedicated Team. 5 Work Packages.



Our WPs at a glance: CCI Open Data Portal

TASK

Host, maintain and further develop the CCI Open Data Portal – the central facility for open access, curation and distribution of all CCI climate datasets

KEY ACTIVITIES

- Maintain and develop the single point of access for all CCI data
- Development of STAC catalogue and OpenEO access
- Metadata bridge and dashboard overlays

ACHIEVEMENTS

- 350+ datasets
- 660+ archived datasets
- 14 million files with 760TB of data

Our WPs at a glance: CCI Toolbox

TASK

Consolidate and extend the CCI Toolbox - a Python library for ingesting, analyzing and visualizing CCI climate data across all ECVs

KEY ACTIVITIES

- Ensure support of newly published and updated datasets
- Add operations for geospatial analysis
- Provide stable, accessible Jupyter Lab as Environment for Trainings, using the Toolbox
- Implement Demonstrators to showcase potential usage

ACHIEVEMENTS

- Much improved access to High-Resolution data
- Dedicated Notebooks on Website and Jupyter Lab

Our WPs at a glance: Training

TASK

Deliver training events and webinars for the CCI user and the science community, based on an interactive JupyterLab environment for CCI climate data

KEY ACTIVITIES

- Organization and execution of webinars
- A series of dedicated trainings
- Recordings and training material added to ESA'S CCI website

ACHIEVEMENTS

- Dependable, monthly webinar scheme
- Linking of activities to major events, e.g. the 2025 3rd UN Ocean Conference in Nice
- Training session at the Adaptation Futures Conference in New Zealand.
- 6 more webinars in the next months

Our WPs at a glance: Storytelling

TASK

- Re-engineer and iteratively improve the CCI Climate from Space web app towards a mobile-first storytelling platform
- Produce high-quality graphics and animations to showcase CCI programme results

KEY ACTIVITIES

- Climate from Space application - Interactive exploration of CC Data
- CfS stories - new style storytelling
- ECV graphics, maps, conceptual info graphics
- animations - combining data visualisation with engaging story-telling

ACHIEVEMENTS

- New story formats in CfS
- Successful focus on the new Cross-ECV data
- Mobile first approach
- 3 new, 6 updated stories
- 33 graphics products containing 81 items
- 4 animations
- Animations featured at COP30 Earth Information Day
- Support to information and training WPs

Our WPs at a glance: Communications

TASK

Strategize and deliver all external communications for the CCI programme - including content production, channel management, venture building, event support and the ESA CCI website

KEY ACTIVITIES

- Promoting CCI research and datasets with news items for climate.esa.int
- Amplifying CCI activities via LinkedIn, X, Bluesky and Instagram (with ESA EO)
- Venture Building – partnerships to broaden CCI's reach beyond the core community
- Communicating CCI's role and presence at major events such as LPS and COP

ACHIEVEMENTS

- 35 news items
- ~985k impressions and ~14k interactions in all social media channels
- Successful Instagram trial via @esa_earth – 405k impressions
- LinkedIn account launched with Earth Online –2,100 followers
- X & Bluesky communities grew by ~900 followers

Get in touch with us

Tell us your stories, your data, your insights - and we will make sure the world takes notice



Alison Waterfall
WP CCI Open
Data Portal



Tonio Fincke
WP CCI Toolbox



Sarah-Jane Smart
WP Trainings



Philip Eales
WP Storytelling



Sarah Otto
WP Communication

Together we make ESA's CCI climate data and your research shine

NOW YOU KNOW WHY WE NEED YOU!



Climate Change Initiative

KNOWLEDGE
EXCHANGE

Thank you and:
Let's keep making impact

ubilabs

BROCKMANN
CONSULT

IO^x

PLANETARY
VISIONS

imperative

Science and
Technology
Facilities Council

BEYONDER

Leibniz
Institute

Deutscher Wetterdienst
Wetter und Klima aus einer Hand

DWD

Centre for Environmental
Data Analysis

National Centre for
Earth Observation