

COPERNICUS EARTH OBSERVATION

DATA VISUALISATION WORKSHOP SERIES



PROGRAMME OF THE
EUROPEAN UNION

Copernicus
Europe's eyes on Earth



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EO Data Visualisation Best Practice Guide

Being practical: How to access and process Copernicus and EUMETSAT data

Dr Ben Loveday (Innoflair UG), Dr Hayley Evers-King (Marine Applications Expert, EUMETSAT)

A big thank you!



Copernicus Earth Observation
Data Visualisation Workshop Series
Introduction to EO Data Visualisation

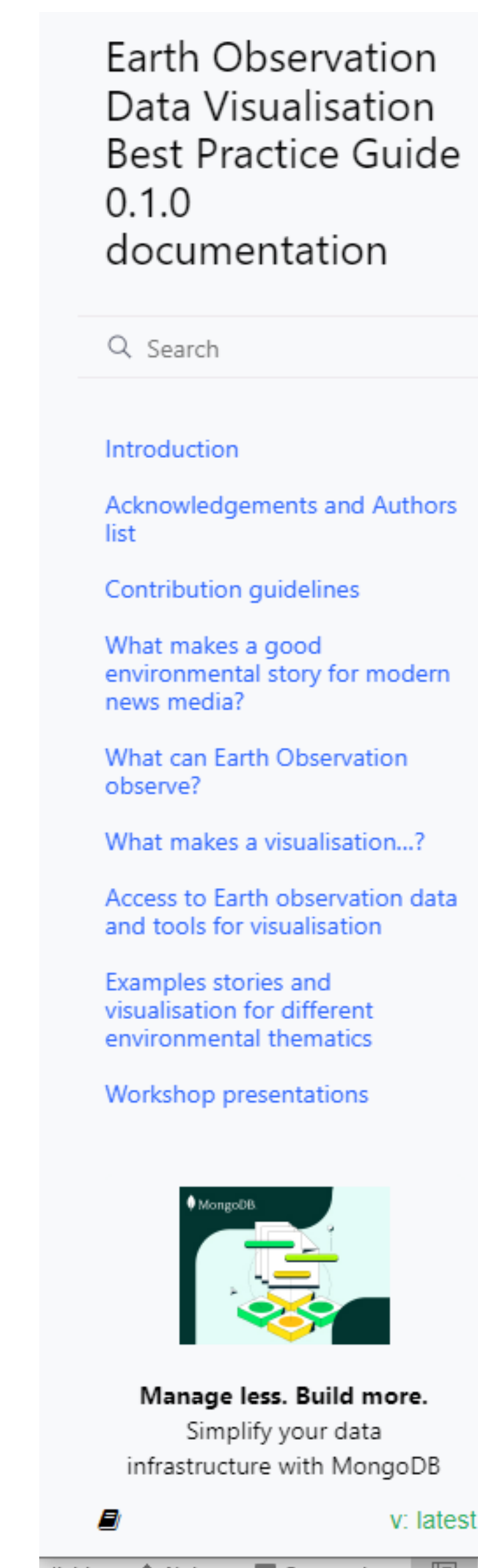
What have we learned about EO data visualisation good practice from the series? (so far...lots to digest!)

- What makes a good story for modern media?
 - For journalists
 - For anyone communicating via social media
- What sort of things can EO observe (different thematic examples)
- What makes a visualisation: different thematic examples)
- What makes a visualisation.....clear and understandable?...accurate?....get attention?
- How to access data
- What tools can be used for visualisation



A good practice guide for EO data visualisation

- Built in ReadTheDocs:
 - https://bit.ly/EO_Dataviz_GoodPracticeGuide
- Draft structure proposed based on what we've learned from the workshops
 - Will be worked on after today's workshop
- Will be opened for community contribution after last workshop is incorporated.
- Please check carefully the contribution guidelines on:
 - Licensing – we distribute under Creative Commons – make sure any images etc you add are compatible, and sources attributed.
 - Try not to change to structure – suggest additional sections if you like.
 - Be careful using examples from sensitive topics.
- **Don't forget to add yourself to the authorship!**



Welcome to the Earth Observation Data Visualisation Workshop best practice guide

Warning
This project is under active development.

Contents

- Introduction
- Acknowledgements and Authors list
- Contribution guidelines
- What makes a good environmental story for modern news media?
 - Journalists perspectives on environmental stories
 - Telling stories on social media
- What can Earth Observation observe?
- What makes a visualisation...?
 - ...clear and understandable?
 - ...accurate?
 - ...get attention?
- Access to Earth observation data and tools for visualisation
 - Viewers
 - Viewers combined with data access and/or analysis functions
 - Software for image generation and analysis
 - Code based approaches
- Examples stories and visualisation for different environmental thematic
 - Ocean
 - Air quality
 - Climate
 - Extremes
- Workshop presentations

Technical aspects of contributing:

You can contribute by using Git based workflow

Check guidance provided by ReadTheDocs:

<https://docs.readthedocs.io/en/stable/tutorial/index.html>

For advanced users:

- In short:
 - Clone the repository
 - Make your suggested changes
 - Submit a merge request
 - One of the team behind the workshops will approve this

For new users:

- You can raise 'issues' on the github page
- Any problems – contact ops@eumetsat.int or one of the authors from the workshop team.



Earth Observation Data Visualisation best practice guide



Welcome to the Earth Observation Data Visualisation series. This repository will act as a place to collect examples of Earth observation data visualisation generated and/or shown throughout the webinars. It will continue to grow and evolve as the webinar series proceeds and will eventually also host the source material for our "best practice guide".

https://bit.ly/EO_Dataviz_GoodPracticeGuide

**Copernicus Earth Observation
Data Visualisation Workshop Series**

Introduction to EO Data Visualisation

What happens next?

- All presentations and videos will be provided online in coming days.
 - The team behind the scenes will work through all the amazing content provided by our presenters in the last weeks to add to the first draft of the good practice guide.
 - We will circulate this first draft, and then welcome your contributions!
 - This doesn't end here, please feel free to make requests to add to the guide as you find new examples, and/or learn new things about visualising EO data.
 - Any problems, contact ops@eumetsat.int and reference the good practice guide in your email.
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- **We look forward to our future collaborations!**





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