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Tänane päevakava

- 10:00 Sisselogimine ja avasõnad (Merle Kuris, MTÜ Balti Keskkonnafoorum)
- 10:20 Sissejuhatus Copernicuse kliimaandmeteenusesse ja SIS Biodiversity projekti (Merle Kuris)
- 10:40 Elurikkuse valdkonna kliimaandmeteenuse prototüübi tutvustus (inglisekeelne video, mille koostas Julie Berckmans, VITO)
- 11:20 Arutelu (tagasiside, küsimused)
- 12:00 Lõpp



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Copernicus climate change service for biodiversity and ecosystem services

Workshop 16 June 2020, Estonia





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SIS Biodiversity consortium partners



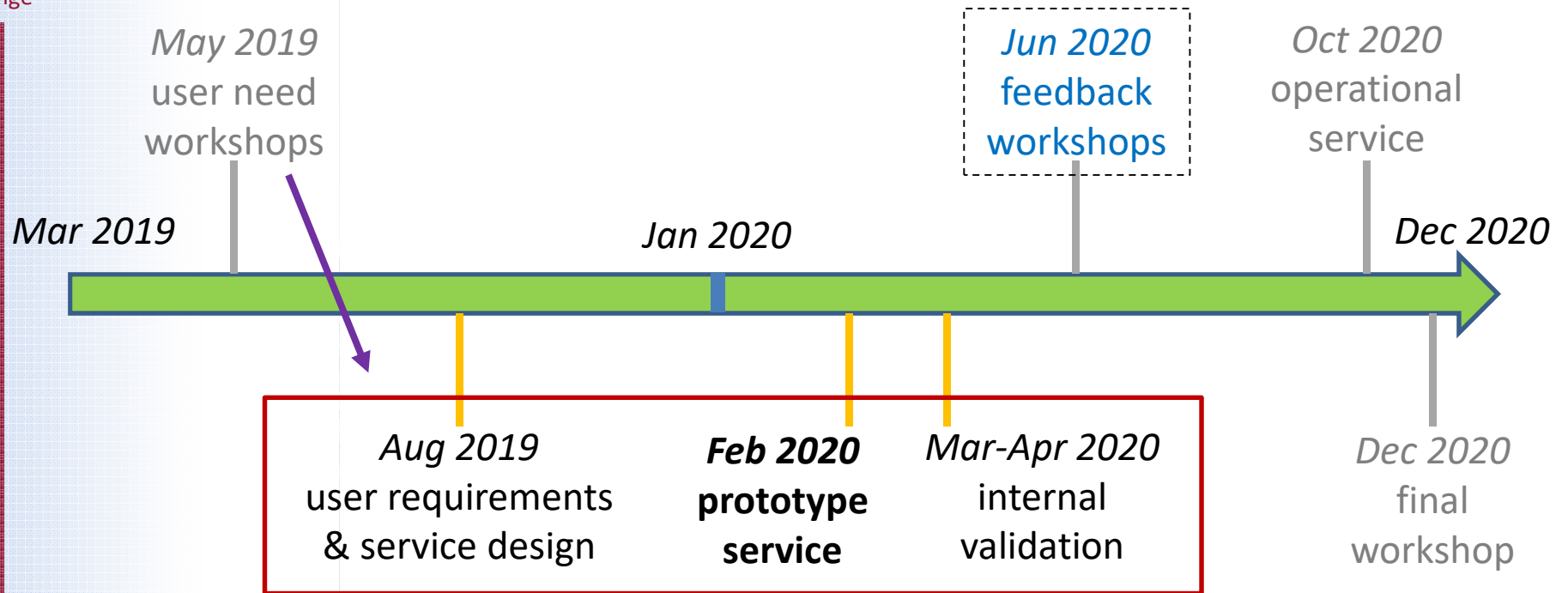
=> all these partners organize similar workshops in their respective countries





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Service development – progress since last year





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Aim of today's workshop is to...

- briefly recall the **objectives of the Copernicus programme** and the **Climate Data Store**
- **demonstrate*** the **prototype biodiversity climate service** (which was built accounting for input gathered in last year's workshops)
- **collect your comments, suggestions, feedback, ...** to help us improve the service further

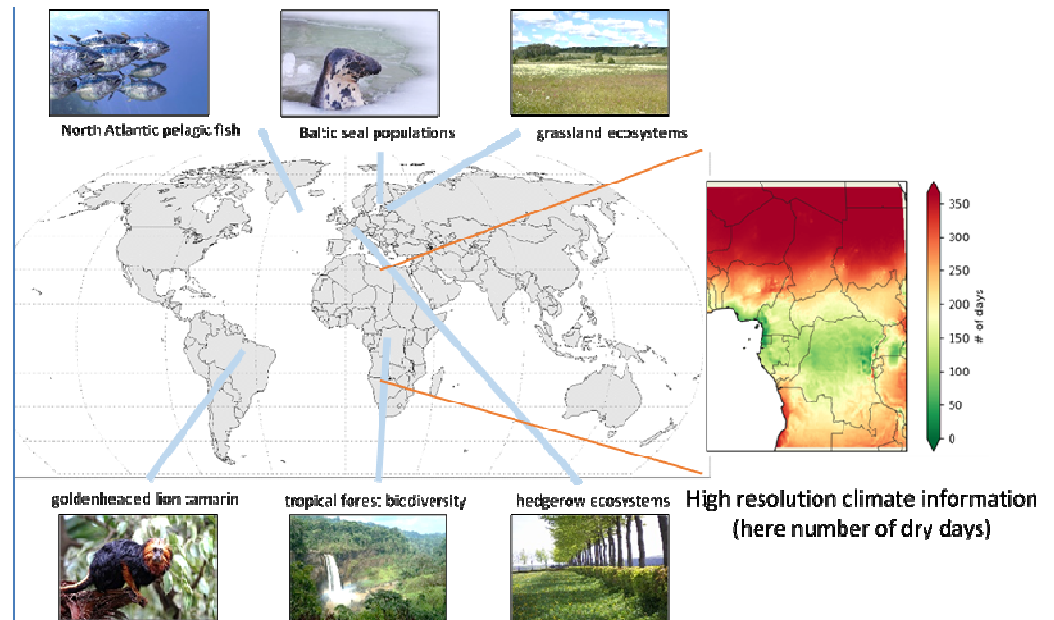
** the initial idea was to ask you to test the service interactively but this was not technically feasible*



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Testing the biodiversity service

- within the project, the biodiversity service is being tested on concrete use cases by the partners →
- yet, we also want to collect more generic feedback from an 'outsider' perspective (hence this workshop...)





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Caveats

- the prototype biodiversity climate service is not yet a finalized 'product' (it will be at the end of this year)
- it is being built within the Copernicus Climate Data Store (CDS), which is an *experimental* environment still





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Copernicus Climate Change Service (C3S)



climate.copernicus.eu





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C3S Sectoral Information Systems (SIS)





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Copernicus Climate Data Store(CDS)

The screenshot shows the homepage of the Copernicus Climate Data Store (CDS). At the top, there are logos for the European Commission, Copernicus (Europe's eyes on Earth), ECMWF (implemented by), and the Climate Change Service. A 'Login/register' button is in the top right. Below the logos is a navigation bar with links for Home, Search, Datasets, Applications, Toolbox, and Help & support. The main content area features a 'Welcome to the Climate Data Store' message, stating it is freely available and functions as a one-stop shop for climate data. It includes a search bar with a dropdown menu and a 'Search' button. Below the search bar are three featured sections: 'Climate Data Store Toolbox' with a line graph showing temperature trends for CMIP5 / RCP4.5 (EC-Earth), CMIP5 / RCP2.6 (EC-Earth), and ERA5; 'Climate Data Store API' with a code snippet; and 'Access climate reanalysis (ERA5)' with a map of Europe showing temperature anomalies.

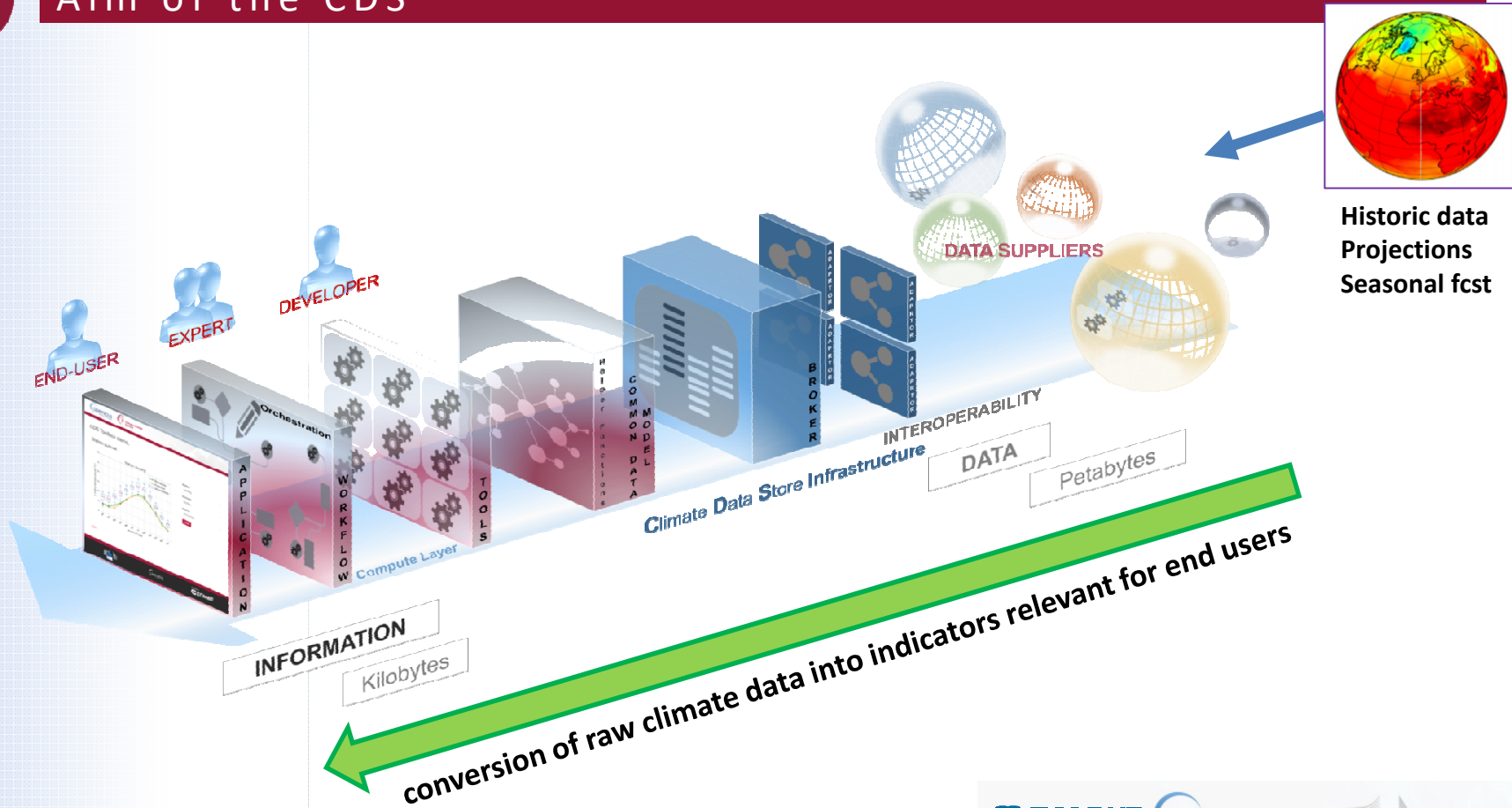
cds.climate.copernicus.eu





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Aim of the CDS

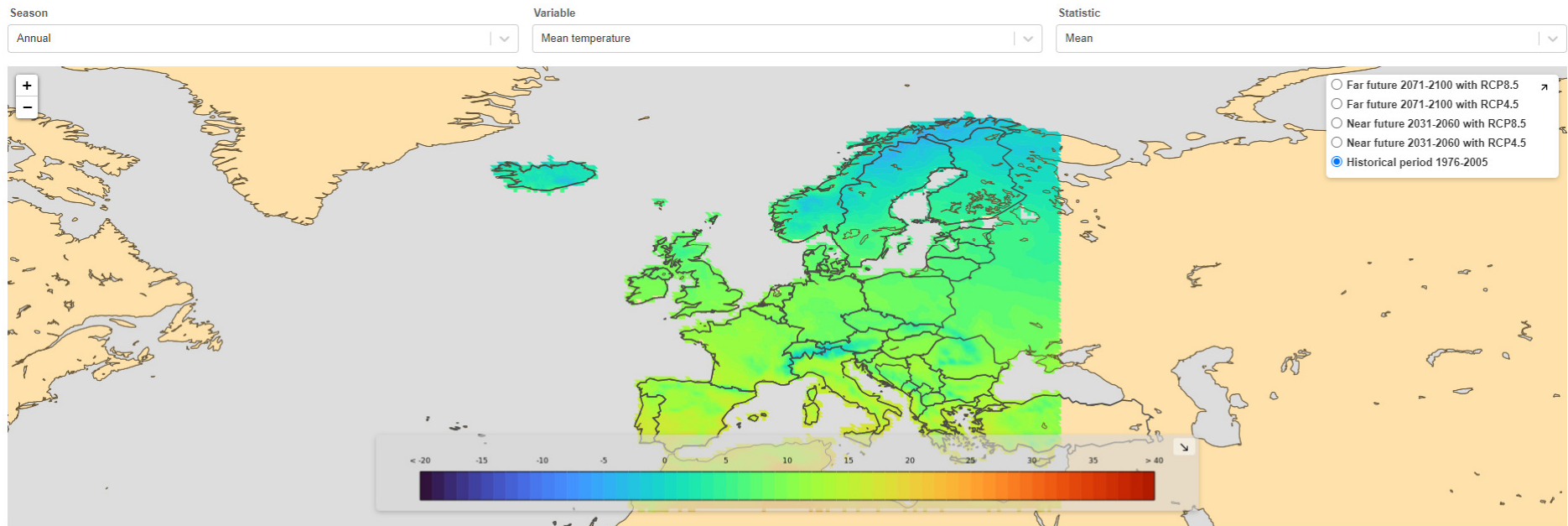




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CDS example

Climate Data Store - Climate projections of European temperature exposure





CDS example

Climatic suitability for the presence and seasonal activity of the Aedes albopictus mosquito for Europe derived from climate projections

[Overview](#) [Download data](#) [Documentation](#)

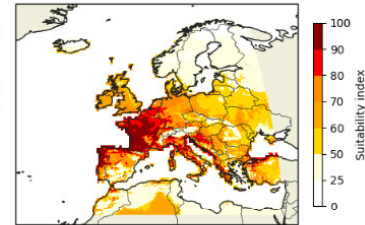
This dataset contains climatic suitability indicators for the Aedes albopictus (tiger mosquito) for Europe produced within the C3S European Health service. The provided indicators are the climatic suitability for the presence of Aedes albopictus and the season length of presence of Aedes albopictus. This mosquito transmits vector-borne diseases, such as dengue and chikungunya.

Environmental factors such as temperature and rainfall impact the survival chance and seasonal activity of Aedes albopictus. In Europe, the environmental conditions become more favorable for the establishment of Aedes albopictus, which is a serious threat for human health in Europe.

The temperature statistics are calculated, either for the season winter and summer or for the whole year, based on a bias-adjusted EURO-CORDEX dataset. Then, the statistics are averaged for 30 years as a smoothed average from 1971 to 2100. This results in a timeseries covering the period from 1986 to 2085. Finally, the timeseries are averaged for the model ensemble and the standard deviation to this ensemble mean is provided.

More details about the products are given in the Documentation section.

Suitability of Aedes albopictus averaged over future period 2031-2060 with RCP4.5



DATA DESCRIPTION	
Data type	Gridded
Horizontal coverage	European region (approximately 27N – 72N, 22W – 45E)
Horizontal resolution	0.1° x 0.1°
Temporal coverage	1986 – 2085
Temporal resolution	Season or year, that represents the 30-yr smoothed average around that particular season or year.
File format	NetCDF
Conventions	Climate and Forecast (CF) Metadata Convention v1.6, Attribute Convention for Dataset Discovery (ACDD) v1.3
Update frequency	No updates expected.

MAIN VARIABLES		
Name	Units	Description
Season length	Week	Duration of Aedes albopictus presence in weeks. This is also known as the mosquito season. Outside of this period mosquitoes die off or go into diapause.
Suitability	Dimensionless	Likelihood that the area has favourable environmental conditions for Aedes albopictus presence with 0 not suitable (no favourable conditions) and 100 totally suitable.

Contact

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European Commission



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Biodiversity climate service

Aitäh osalemast! Oleme tänulikud, kui leiate aega vastata tagasisideküsimustikule <https://forms.gle/9rcqbDLcBMJ9UMoG8>

Tagasiside ja küsimused on oodatud ka otse mulle:
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