

# CLICP Coding sprint 12-13 April 2016

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*Place: KNMI, room A1.30*

## Agenda:

### Day 1 Tuesday 12:

- 09:00h: Doors are open at KNMI
- 10.00h: Welcome and kick-off!
- 10:01h: Roadmap and WP3/4/6/7/8 implications (Peter + Wim)
- 10:15h: Current status of the CLICP portal and main messages for user consultation workshop (Peter)
- 11:00h: Coffee break
- 11:15h: WP7 Indicator data: status update (Luis)
- 11:30h: WP6 uncertainty and visualization (Juliana, time depending on arrival of Juliana)
- 11:45h: Definition of goals for today (see also below for the preliminary list)
- 13:00h – 17:00 coding sprint, interrupted by lunch and coffee break(s) and cookies

### Day 2 Wednesday 13 : 9.00 – 16.00

- 9.00: Retrospective/standup: what have we achieved yesterday, what's blocking, what can be improved
- 9.30: definitions of goals for today
- 9:00h – 16:00 coding sprint, interrupted by lunch and coffee break(s) and cookies

## Issues to discuss/work on:

Open

Done

Discussion ongoing

New issues on the roadmap not covered yet:

Ensembles view → data mean over the ensembles

- Indicators from ensembles?

- Indicators from Scenario data (not observations)

- Scenario tool/viewer → on Friday by Peter + Hasse

→ covered, need mention in WPL telco. Need data from Lars (WP6, scenario and model-ensemble based indicators, examples asap, real data before June)

CLICP dataset catalogue → Andrej, Jordan, Luis, (Peter)

- Look for solution human readable names (also for keywords)
  - Based on Luis excel file with names
  - 3 options: clicp, c4i or by data provided: decide on what to do
- Clean-up of OPEnDAP server (KNMI)
- Check data: what's on CEDA, what on climate4impac, what on the Luis list.
- Available datasets – what we have now, what can we expect. (see Luis' presentation)

Status of indicators: → discussion with Luis, see above

- Create checklist of indicators for communication WP7/8 with WP3 and 4
- Check current status of published indicators

Climate data search → Maarten + Bert

- ESGF search implementation
- Link to results of ESGF under C4I

Climate impact indicator toolkit

- Add layer function - not selected /selected via additional box (nasa worldview example), discuss on thema's
  - Socio-economic and land-use data: Where will they fit in the viewer (regarding tiers, urban, rural etc.) or do they require a new category? (**Discuss**) → Jordan, Luis, Peter, Hasse, Ernst(?)
  - Ernst + Peter + Johannes + Luis + Hasse, discussion started. Feedback by Martin
- Animation of change time per indicator – where possible → Jordan + Maarten to check if it is possible (estimate effort for implementation). Not add it in the viewer, but as separate feature for some indicators 2-4 indicators (nice to have, appealing to users)
- Automatic login for connection MARIS – KNMI server – now manual once a day (Fixed?) → Bert + Maarten
- Implementation of uncertainty (Clarify method, see Juliana's presentation) → Juliane + Peter/Jordan. Implemented using the MARIS CMS: Qualive
- Visualisation of uncertainty on a map (quantitative), implemented in ADAGUC (action for KNMI to implement, discussion done)

Combine:

- Compatibility matrix (supporting the combination of indicators) → Johannes + Luis + Ernst/Andrej/Wim . Discussion started. Distinguish between Red and Green. **Action on** Johannes and Luis to provide the matrix to CLIPC for implementation.
- **Ranking** functionality (for administrative regions) → Ernst + Johannes + Jordan. **Action on** KNMI for implementation.
- **Question: how we monitor usage? Google analytics or using provenance metadata? → CLIPC portal Google analytics only!**
- Maybe use provenance metadata for creating a 'top ten' of indicators used by users. Use basket contents for providing guidance? → Alesandro, Maarten, Ernst, TUDO,
- Metadata in the combination tool: How will metadata for the combined indicators be created? There is a framework available for provenance metadata, which is in the new version of the processing framework → Alessandro + Luis/Johannes
- **Country selection (instead of always pan-European calculations) → Ernst, Jordan, Johannes, Bert → combine with simple subset function, first date, then geolocation (country).**
- Action: implement in the Combine tool by Maris and KNMI
- **Multi-indicator interface (for the combination tool) → Not feasible before September**
- Compare:
  - Add metadata compare function → JDI
  - Also in compare add a visual masking for county selection → JDI
- Map viewer
  - **Maps based on administrative areas: How do we make this possible in a basically raster based viewer? → see above**
  - **Flexible legends, user configurable classification → Maarten, Johannes, Jordan**  
**Make some examples available**

- Options for (or interactive) legends? → add a button in the layer, mini one in the layer (horizontal) → Johannes, Jordan to discuss
- Histogram equalize style possible /percentile ? → Maarten

#### Scenario viewer

- Select pre calculated indices – means for fixed time periods – as input for viewer – select and define the cases → Luis, Wim, Johannes, Hasse
- simple: implement a first version of viewing scenarios of indicators
  - MyCLIPC data processing
- Additional functions for databasket: upload, download, view, remove, use in toolkit (as additional layer) → Maarten, Bert : decided was to have remote links as a first step for uploading
  - Open issue: Uploading CSV data for NUTS data (Remote link) + automated conversion, include example CSV file (ADAGUC) → Ernst, Maarten, Bert  
Possible, will be implemented for (small) CSV files using the API basket
- Additional functions for job process: check status/progress, view process → Bert, Maarten
- View job details can include a view option for the processed Netcdf file, this is however now secured by password. Need to check how to solve this. → Bert, Maarten  
Example URL:  
[http://dev.climate4impact.eu/impactportal/data/datasetviewer.jsp?https://dev.climate4impact.eu/impactportal/dap/231933537456-msr9p8osouiu400invc0mf857a17v4cq.apps.googleusercontent.com.113963312560240838818//wps\\_clipc\\_combine\\_execute\\_20160401t132106z//combine.nc](http://dev.climate4impact.eu/impactportal/data/datasetviewer.jsp?https://dev.climate4impact.eu/impactportal/dap/231933537456-msr9p8osouiu400invc0mf857a17v4cq.apps.googleusercontent.com.113963312560240838818//wps_clipc_combine_execute_20160401t132106z//combine.nc)
- User Guidance: How/where to insert e.g. pop-up texts, longer guidance/tutorials and short videos → Johannes, Peter/Jordan/Wim
- General: What to do with the users feedback from last user consultation (see Peter's presentation → Peter + Wim
- Scratch disk for data (results from combine): when to remove/cleanup processed data? Cleanup time we need to discuss. → specific place in the basket, save for one week, then the result will be deleted
- Caching system by CMCC: not for this workshop. → KNMI + CMCC

#### Actions from the workshop (besides things to implement...)

- Action: schedule technical telco's to see where we are (around mid-May, week after 10-13 May) Wim to send out a doodle.
- Action: provide this document, including status of items 5 days before the Rotterdam meeting in May (Johannes). All to fill in status of items
- Action provide feedback to team by Johannes after the Rotterdam meeting