

How to build interactions between WPs

Open discussion

Our situation

We have 3 tool-oriented WPs:

- WP1: tools & libraries for IO & storage
- WP2: tools & libraries for in situ workflows
- WP3: tools & libraries for AI-based data analytics

And 1 “transverse” WP:

- WP4: illustrator/demonstrator applications
& libraries & tools development

Some questions

- How do we ensure work in WP 1-2-3 is useful for applications of WP4?
 - Regularly share updates on WP work (e.g., student presentations) every 3 months?
 - WP4 could list requests for features/open issues in some shared place and dynamically feed work in WP1-3
 - Use the general Slack channel to advertise results and propose new possible collaboration topics
 - Schedule spontaneous remote technical talks on specific subjects (including external speakers) - maybe a monthly 1h-slot?
 - Meetings between people fully funded by the project (animated by non-permanent staff)
 - Training:keep involving the internal participants both as presenters and as “students”

Some questions

- How do we ensure that common components are shared between libraries & tools are not redeveloped independently by each WP?
 - It is a dedicated task in WP4!
 - The monthly slot for regular presentations could serve to identify potential redundancies/complementarities
 - PDI/Damaris, PDI/Melissa
- How do we ensure solutions developed in WP 1-2-3 work well together?
 - For example: will AI workloads of WP3 be easy to embed in in situ workflows proposed in WP2?
- We have monthly WP-leaders meetings
 - This is mostly about administrative matters
 - Our general meeting is once a year
 - Should we have more inter-WP scientific & technical animation?
 - Alternative: create a video rather than a presentation with very few participants
 - We need more documentation - set up a wiki?
 - Shared “pictures” of the status of the development of various software developed in the project, to favor discovery and interaction between teams developing different software components - a starting point for new comers
 - Publicly accessible internal documentation?
- And what about WPs of other projects of NumPEX, other PEPRs?
- What are your questions...