

# Future Perspectives

Adrian Jäggi (AIUB)

## EGSIEM Progress Meeting

DLR / ZKI

June 8 – 9, 2017

# The future of the Scientific Combination Service

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- The EGSIM Scientific Service shall be continued as a service of IAG's International Gravity Field Service (IGFS)
- Terms of References (ToR) have been presented at the IAG Executive Board Meeting during the EGU 2017. They shall be adopted at the next IAG Executive Board Meeting during the IAG Scientific Assembly 2017 in Kobe, Japan.
- TBD whether COST-G shall be labelled as a further IGFS service (there are already many services) or as a IGFS Processing Center (this would be unique). The latter option would ensure a better visibility, but might imply additional duties currently not foreseen in the ToR ...

# The future of the Scientific Combination Service

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- COST-G shall be primarily operated at UBERN with support from GFZ for L3 product generation.
- Funding of the service is, however, not secured:
  - Is a co-funding by the EGSIM partners possible??
  - Any other ideas how to solve the problem??

# The future of the other EGSIEM Services

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# Synergies with other initiatives

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- The members of the ESA ADDCON project asked for a joint meeting. ADDCON is primarily studying future gravity mission concepts, e.g. double pairs, in a simulation environment. They are studying flood and drought monitoring, as well, but are also interested in new applications, e.g. atmosphere
- ADDCON will end approximately at the same time when EGSIEM will end. A joint final meeting would be feasible.
- It could be a basis for the European gravity community to invite representatives from EC to inform them about the main achievements. Such a teaser could be used to trigger the EC to organize later on a workshop on gravity.

# H2020 Space Calls 2018/19

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- SPACE-01-EO-2018-2019: Copernicus market uptake
- SPACE-02-EO-2018: Copernicus evolution – Mission exploitation concepts
- SPACE-03-EO-2018: Copernicus evolution - preparing for the next generation of Copernicus Marine Service ocean models
- SPACE-04-EO-2019: Copernicus evolution – Research activities in support of cross-cutting applications between Copernicus services
- SPACE-05-EO-2019: Copernicus evolution – Research activities in support to a European operational monitoring system for fossil CO2 emissions
- SPACE-06-EO-2019: International Cooperation Copernicus – Designing EO downstream applications with international partners

# H2020 Space-02-EO-2018

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- A – Preparation of a European capacity for monitoring the Polar Regions
- B – Preparation of a European capacity for agriculture monitoring
- C – Preparation of a European capacity for forest monitoring

# H2020 Space-04-EO-2019

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This research and innovation action should demonstrate the technical operational feasibility of a specific cross-cutting thematic application proposal. The proposers are expected **to demonstrate at the proposal stage an active link with the Copernicus core services** and capitalise on the corresponding product portfolio by suitable means. **The output of this research and innovation action should provide a proof-of-concept or a prototype** including a benchmarked selection of concurring methodological approaches where feasible for one or more inter-service applications that shall complement and broaden the panoply of information made currently available by the core services. **These cross-cutting applications may concern areas in relation to domains such as energy, agriculture and forestry, health, water resources, security, cultural heritage, coastal monitoring, urban planning, climate adaptation, biodiversity and eco-system preservation, exploration and mineral resources, and others.** Copernicus DIAS facilities leveraging the big data collection and processing should be taken into account, in order to exploit the potential of data fusion to its maximum, especially in the case of huge data extent (i.e. long time series of multisensory data, which may bring additional value to cross-cutting new applications)..