

THE ADAPTATION OF THE STEREO III PROGRAMME

STEREO Team

BEODAY 2014
LIER – 20 November 2014

Outlook of the Presentation

- Objectives
- Research domains
- Programme structure
- Programme changes
- Budget and calendar for calls
- Call 2014

OBJECTIVES

- *Support innovative high quality RS research*
- Belgium international centre of expertise in a number of RS domains
- Stimulate international collaborations
- Support "Belgian" RS infrastructure and instruments
- Stimulate development new RS applications
- Introduce RS in new disciplines and with new users
- Promote RS, and especially results Belgian/STEREO research

NO CHANGE

RESEARCH DOMAINS

■ Thematic

- *Global monitoring of vegetation and evolution of terrestrial ecosystems*
- *Management of the environment on a local and regional scale*
- *Interaction between (change in) land cover and climate change*
- *Epidemiology and humanitarian aid*
- *Security and risk management*

Research topics can be prioritized for individual calls

RESEARCH DOMAINS (cont'd)

■ Geographic

- *Preference for study areas where previous research took place or BELAIR sites - but additional sites possible*
- *Upscaling to larger scale or comparison other sites advisable*

■ Methodological priorities

- *Exploitation of time series*
- *Fusion of different types of RS imagery*
- *Processing large datasets*
- *Automation of data processing*
- *Standardisation*
- *Use of crowd sourcing*
- *....*

PROGRAMME STRUCTURE

- **Scientific research**
 - *Research projects*
 - *Development of applications*
- **Transversal support of scientific STEREO research**
- **Valorisation and support of RS community**

PROGRAMME STRUCTURE: SCIENTIFIC RESEARCH

■ Research projects

- *Thematic network projects*
- *Exploration projects*
 - Proposals submitted upon periodic call for proposals
 - 3 step selection procedure (written review, expert panel, STEREO Committee)
- *Research projects outside call*

PROGRAMME STRUCTURE: SCIENTIFIC RESEARCH

■ Thematic network projects

- Duration: 4-5 years
- Min. 3 teams
- Ranging from fundamental research to development of applications
- Research with societal relevance
- International partner mandatory
- Luxemburg henceforth considered as international partner
- *"Non RS teams" might coordinate project*

PROGRAMME STRUCTURE: SCIENTIFIC RESEARCH

■ Exploration projects

- *Methological and technological innovation*
 - *Spin-off previous project*
 - *Use of BELAIR data*
 - *Development and validation of new PROBA-V products*
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- Duration: 1-3 years
 - Small scale projects
 - 1-3 teams
 - International team recommended

PROGRAMME STRUCTURE: SCIENTIFIC RESEARCH

■ Scientific projects outside call

▫ Financing upon approval STEREO Committee and depending on available budget

- *Shared cost projects*

- Funding of Belgian partners in projects selected for international, bilateral, national or regional programmes

- *Dissemination and support projects*

- Specific papers, software, small scale supportive research

- Short projects (Max. 6 months – 30 k€)

PROGRAMME STRUCTURE: SCIENTIFIC RESEARCH

■ Development of applications

- Transfer of knowledge from scientific partner(s) to company, administration, NGO
 - Financing of scientific and administration partner
 - Based on verifiable user need
 - Duration max. 3 years
 - Max 3 scientific partners
 - From 2015 onwards
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- Financing of feasibility pre-study (max. 10 k€)
 - Permanent call for proposals
 - Written evaluation international experts min. once a year

PROGRAMME STRUCTURE: TRANSVERSAL SUPPORT

- **Continuation BELAIR**
 - *Coordinated data acquisition (RS and in situ) over 3 selected Belgian sites*
- **STEREO Toolbox** (complement to BELAIR)?
 - *Making STEREO software accessible for students and scientists*
- **Support Belgian EO infrastructure and sensors (TBD)**

Actions to be approved by STEREO Committee

PROGRAMME STRUCTURE: VALORISATION AND SUPPORT

- Core business of EODesk
- Tools
 - websites eo.belspo.be and eoedu.belspo.be → one joint site – **more focus on STEREO projects** – information exchange Belgian stakeholders
 - Newsletters and social media – **more frequent and more focus on STEREO** and space activities supported by Belgium
 - Organisation BEODays and other events
 - Image acquisition (including Pléiades)
 - Development educational products

PROGRAMME IMPLEMENTATION AND VALORISATION: YOUR INPUT

- Pictures and stories about your activities (in and outside STEREO)
- Other RS related information
- Make your data available for other researchers
- Register for the newsletter (via [eo.belspo.be expert zone](https://eo.belspo.be/expert-zone))
- Feedback and ideas regarding the programme
- Enthusiasm and passion

SUMMARY PROGRAMME ADAPTATION

- The adapted programme aims at **conserving its main asset**:
 - *High quality research aided by*
 - Rigorous selection procedure
 - Inclusion of international partners
 - Project Steering Committee
 - *And carried out by a tightly knit community supported by BEODays*
- Following **changes** will be made to meet recommendations of STEREO II evaluation:
 - *Facilitate development of applications*
 - *Increase flexibility in research financing*
 - *Encourage data-sharing*

SUMMARY PROGRAMME ADAPTATION

- *Heed societal relevance*
- *Encourage interactions between academic and non-academic RS actors*
- *Encourage collaboration between projects and scientists*
- *Render results of STEREO research more visible*
- *Refresh and re-orientate EODesk*
- *Increase international contacts STEREO team*

CALENDAR OF CALLS

Project type 2013 2014 2015 2016 2017 2018 2019 2020 2021

Periodic call

Applications development

X

Thematic networks

X

X

Exploration projects

X

X

X

Permanent call

Application development

X

X

X

X

X

X

Outside call

Transversal support / Shared cost / Dissemination & support

CALL 2014

- *For exploration projects only!*
- *Tentative timetable*
 - Publication of call **end December 2014**
 - Submission of DOI **end January 2015**
 - Feedback on DOI **mid February 2015**
 - Submission of proposals **end March 2015**
 - Oral defence of proposals **end May 2015**
 - Selection of proposals by Steering Committee of STEREO programme **mid June 2015**
 - Start of contracts **September 2015**
- *Budget* > 1,6 M€
- All information on eo.belspo.be

Questions?