# Overview Projects

## STEREO III - call 2018

<table>
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<tr>
<th>acronym/code</th>
<th>coordinator/promotor</th>
<th>budget</th>
<th>start date</th>
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*dinsdag 28 april 2020*
### EXPLORATION PROJECT - INNOVATION

<table>
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<tr>
<th>Project</th>
<th>Title</th>
<th>Coordinator/Partner</th>
<th>Contact</th>
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<tbody>
<tr>
<td>ALBERI SR/00/373</td>
<td>Assessing Links between Biogenic Emissions and Remotely-sensed photosynthesis Indicators</td>
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<td></td>
<td>International Partner</td>
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<td>Coordinator</td>
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</tr>
<tr>
<td>AQUALOOKS SR/00/374</td>
<td>Improving atmospheric correction and aquatic particle retrieval with bidirectional remote sensing data</td>
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<tr>
<td></td>
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<td>Coordinator</td>
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<tr>
<td>C-SNOW SR/01/375</td>
<td>Observing the Northern Hemisphere snow mass with Sentinel-1</td>
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<td>EODAHR SR/00/376</td>
<td>Improved early warnings through Earth Observation Data Assimilation and Hydrological Retrospective forecasts</td>
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<td>ET-SENSE SR/02/377</td>
<td>High-resolution terrestrial evaporation from Sentinels</td>
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*Dinsdag 28 april 2020*
TIMBERS SR/00/381
3D Turbidity assessment through Integration of MultiBeam Echo-sounding and optical Remote Sensing

1/07/2019 31/12/2021

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VANDORPE Thomas Belgian Promotor thomas.vandorpe@vliz.be
MOELANS Robrecht Co-Coordinator robrecht.moelans@vito.be
## EXPLORATION PROJECT - SPIN-OFF

### GENLIB
**SR/00/378**  
Developing a generic framework for library based multi-site mapping of urban areas  
1/09/2019  
30/11/2021  
**SOMERS Ben**  
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Coordinator  
[fcanters@vub.ac.be](mailto:fcanters@vub.ac.be)

### PALMWATCH
**SR/67/379**  
Red Palm Weevil infection detection with Remote Sensing  
1/05/2019  
31/10/2021  
**KOOISTRA Lammert**  
International Partner  
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[Stephanie.Delalieux@vito.be](mailto:Stephanie.Delalieux@vito.be)

### SLUMMAP
**SR/11/380**  
Remote Sensing for Slum Mapping and Characterization in sub-Saharan African Cities  
1/07/2019  
31/12/2021  
**LENNERT Moritz**  
Coordinator  
[moritz.lennert@ulb.ac.be](mailto:moritz.lennert@ulb.ac.be)  
**KUFFER Monica**  
International Partner

### VERSUS
**SR/00/382**  
1/07/2019  
31/12/2021  
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**KERN Christoph**  
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[ckern@usgs.gov](mailto:ckern@usgs.gov)
### EXPLORATION PROJECT - INNOVATION

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<thead>
<tr>
<th>Project Name</th>
<th>Description</th>
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<td>3D-FOREST SR/02/355</td>
<td>Novel in-situ 3D forest structure and biomass estimates to validate air/spaceborne products</td>
<td>VERBEECK Hans</td>
<td>Coordinator</td>
<td><a href="mailto:Hans.Verbeeck@UGent.be">Hans.Verbeeck@UGent.be</a></td>
<td>1/12/2017</td>
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<td>CALDERS Kim</td>
<td>Co-Cordinator</td>
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<tr>
<td>BELHARMONY SR/00/356</td>
<td>Harmonization of multi-mission high resolution time series: application to BELAIR</td>
<td>STERCKX Sindy</td>
<td>Coordinator</td>
<td><a href="mailto:sindy.sterckx@vito.be">sindy.sterckx@vito.be</a></td>
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<tr>
<td>GEOMIX SR/06/357</td>
<td>Geometry in the mix: Geometric methods for non-linear spectral unmixing</td>
<td>SCHEUNDERS Paul</td>
<td>Coordinator</td>
<td><a href="mailto:paul.scheunders@ua.ac.be">paul.scheunders@ua.ac.be</a></td>
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<tr>
<td>MULTI-SYNC SR/00/359</td>
<td>Multi-Scale Synergy Products for advanced Coastal Water Quality Monitoring</td>
<td>ALVERA-AZCARATE Aida</td>
<td>Belgian Promotor</td>
<td>a.al <a href="mailto:vera@ulg.ac.be">vera@ulg.ac.be</a></td>
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<tr>
<td></td>
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<td>VAN DER ZANDE Dimitry</td>
<td>Coordinator</td>
<td><a href="mailto:mdvanderzande@naturalsciences.be">mdvanderzande@naturalsciences.be</a></td>
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<tr>
<td>RS4MODY SR/00/360</td>
<td>Remote sensing data for investigating the morphodynamics of the Belgian multi-barred macro-tidal beach</td>
<td>MONTREUIL Anne-Lise</td>
<td>Co-Cordinator</td>
<td><a href="mailto:Anne-Lise.Montreuil@vub.ac.be">Anne-Lise.Montreuil@vub.ac.be</a></td>
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<td>BERTELS Luc</td>
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<td>SNOPOST</td>
<td>Bayesian snow estimation under a vegetation gradient using SnowEx remote sensing data</td>
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<td>UAV borne spectrometers for high resolution soil and crop monitoring</td>
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**EXPLORATION PROJECT - SPIN-OFF**

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<th>MODUS</th>
<th>A Multi-sensOr approach to characterize ground Displacements in Urban Sprawling contexts</th>
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*dinsdag 28 april 2020*
**STEREO III - call 2016**

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<th>ECOPROPHET SR/00/334</th>
<th>Improved Ecosystem Productivity Modeling by Innovative Algorithms and Remotely Sensed Phenology Indicators</th>
<th>15/12/2016</th>
<th>31/07/2021</th>
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<tr>
<td>CIAIS Philippe</td>
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<th>HYPERMAQ SR/00/335</th>
<th>Hyperspectral and multi-mission high resolution optical remote sensing of aquatic environments</th>
<th>1/12/2016</th>
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<tr>
<td>DOXARAN David</td>
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### REACT SR/00/337
Remote sensing for Epidemiology in African CiTies

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<thead>
<tr>
<th>Name</th>
<th>Role</th>
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<td>VAN LIPZIG Nicole</td>
<td>Belgian Promotor</td>
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<td>LINARD Catherine</td>
<td>Belgian Promotor</td>
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### REFORCHA SR/00/338
Continuous satellite-based indicators for mapping subtropical forest degradation and its environmental impacts

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<thead>
<tr>
<th>Name</th>
<th>Role</th>
<th>Email</th>
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<tbody>
<tr>
<td>DE LANNOY Gabrielle</td>
<td>Belgian Promotor</td>
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### U-TURN 2 SR/00/366
Understanding Turning Points in Dryland Ecosystem Functioning

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</tr>
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### U-TURN SR/00/339
Understanding Turning Points in Dryland Ecosystem Functioning

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
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<tr>
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<td>HYPERTEMP SR/00/320</td>
<td>Multitemporal monitoring of fruit orchard vitality with multisensor Belair data</td>
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<tr>
<td>DELALIEUX Stephanie</td>
<td>Coordinator</td>
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## EXPLORATION PROJECT - INNOVATION

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<tr>
<th>HYPI SR/00/322</th>
<th>Assessment of Isoprene emission by HYperSpectral data</th>
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<td><strong>KEMPENEERS Pieter</strong></td>
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<td><strong>BERTELS Luc</strong></td>
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<td><strong>PENUelas Josep</strong></td>
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<td><strong>CEULEMANS Reinhart</strong></td>
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<tr>
<th>MAMAFOREST SR/00/323</th>
<th>Managing Mangrove Forests with Optical and Radar Environmental Satellites</th>
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<tr>
<td><strong>VAN DE KERCHOVE Ruben</strong></td>
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<td><strong>RAYMAEKERS Dries</strong></td>
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<td><strong>LOKMAN BIN HUSAIN Mohd.</strong></td>
<td>International Partner</td>
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<tr>
<td><strong>LUCAS Richard</strong></td>
<td>International Partner</td>
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<td><strong>DAHDOUH-GUEBAS Farid</strong></td>
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<tr>
<th>PONDER SR/00/325</th>
<th>Exploiting very high resolution satellite imagery for coastal and inland water monitoring</th>
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<tr>
<td><strong>VANHELLEMON Onten</strong></td>
<td>Coordinator</td>
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<tr>
<td><strong>VERLEYEN Elie</strong></td>
<td>Belgian Promotor</td>
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<tr>
<td><strong>VYVERMAN Wim</strong></td>
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<tr>
<td><strong>DOXARAN David</strong></td>
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<tr>
<th>PROSOIL SR/10/327</th>
<th>Protocols for predicting soil properties from the new generation of satellites</th>
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<tr>
<td><strong>CHABRILLAT Sabine</strong></td>
<td>International Partner</td>
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<tr>
<td><strong>VAN WESEMAEL Bas</strong></td>
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</tr>
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</table>
Close range aerial sensing of soils for improved remote sensing products

1/12/2015  30/11/2017

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Vegetation stress from satellite observations of fluorescence

1/12/2015  31/12/2017

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EXPLORATION PROJECT - PROBA-V

Proba-V for total suspended matter and turbidity retrieval in coastal areas

1/12/2015  30/11/2017

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## EXPLORATION PROJECT - SPIN-OFF

### INPLANT
SR/01/321  
**Plant Optical Types to Predict Ecosystem Impacts of Plant Invasions**

<table>
<thead>
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1/12/2015   30/11/2018

### MUZUBI
SR/00/324  
**MUIti Zone phase Unwrapping using advanced Split Band Interferometry**

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<tr>
<th>Name</th>
<th>Role</th>
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1/12/2015   30/11/2017