

## Program 1st International GOCE Solid Earth Workshop

### Tuesday October 16

<b>9:00 – 10:30</b>	<b>Opening and introduction</b>	Van der Meijde
9:00	Opening	Van der Meer
9:10	Solid Earth Sciences at ESA	Haagmans
9:20	The GOCE mission: status and future plans	Floberghagen
9:50	GOCE data and formats	Bigazzi
<b>10:10 – 10:40</b>	<b>Coffee break</b>	
<b>10:40 – 12:30</b>	<b>GOCE products</b>	Floberghagen
10:40	A brief introduction into interpreting GOCE observations	Visser
11:10	GOCE data products: GOCE models	Pail
11:40	GOCE Gravity Gradients for Solid Earth Sciences	Bouman
12:10	Discussion	
<b>12:30 – 13:30</b>	<b>Lunch</b>	
<b>13:30 – 15:30</b>	<b>GOCE user toolbox introduction and demo</b>	Knudsen
<b>15:30 – 16:00</b>	<b>Coffee break</b>	
<b>16:00 – 17:00</b>	<b>Covariance products and error analysis</b>	Pail
16:00	The GOCE covariance products	Pail
16:10	An introduction to the GOCE error variance covariance products: A user's perspective	Bingham
16:40	Discussion	
<b>17:00 – 18:30</b>	<b>Poster session</b>	
<b>19:00</b>	<b>Workshop dinner</b>	

## Wednesday October 17

<b>9:00 – 10:30</b>	<b>GOCE+ studies</b>	Bouman/Novak
9:00	Overview GOCE+ studies	Bouman
9:10	GOCE+ GeoExplore for geophysical research	Ebbing
9:30	GOCE+ GDC: Towards a better understanding of the Earth's interior and geophysical exploration research	Novak
9:50	The Earth's time-varying gravity field observed by GOCE	Bouman
10:10	Discussion	
<b>10:10 – 10:40</b>	<b>Coffee break</b>	
<b>10:40 – 12:30</b>	<b>Crustal modeling</b>	Braitenberg
10:40	A new global crustal model based on GOCE data grids	Sampietro
11:10	Sensitivity of GOCE along the Andean subduction zone	Gutknecht
11:40	Crustal Models from Seismology and Satellite Gravity; is There Any Relation?	Van der Meijde
12:10	Mass-density Green's functions for gradiometric data	Zdenek
<b>12:30 – 13:30</b>	<b>Lunch</b>	
<b>13:30 – 15:10</b>	<b>Lithosphere</b>	Van der Meijde
13:30	Depth sensitivity GOCE gravity gradients for lithospheric modeling	Ebbing
13:50	3D Geophysical-petrological modelling of the lithosphere: how can GOCE data help us assessing the geothermal potential of Ireland?	Fullea
14:10	Multi-scale investigation of the African lithosphere using GOCE gravity and gradiometric data	Peyrefitte
14:30	Gravity and topography signature of global petrological lithosphere	Cammarano
14:50	Discussion	
<b>15:10 – 15:30</b>	<b>Coffee break</b>	
<b>15:30 – 16:10</b>	<b>Isostacy and time-variance</b>	Vermeersen
15:30	Interpreting gravity data from GRACE and GOCE in Scandinavia and Iceland	Van der Wal
15:50	Detecting and monitoring the time-variable Greenland gravity field using reprocessed GOCE gradients	Schmidt
<b>16:10 – 17:30</b>	<b>Regional and local studies</b>	Ebbing
16:10	Unmapped Geologic Macrostructures identified with GOCE	Braitenberg
16:30	Different topographic reduction techniques for GOCE gravity data	Kother
16:50	The application of GOCE satellite gravity data for basin and petroleum system modeling, A case-study from the Arabian Peninsula	Abdul Fattah
17:10	Discussion	
<b>17:30 – 17:40</b>	<b>Wrap-up and closing</b>	