

EGSIEM

Title: WP7: Dissemination, exploitation, and communication

Presenter: Adrian Jäggi

Affiliation: University of Bern

EGSIEM Kick Off Meeting
University of Bern
January 13. – 14. 2015

u^b

UNIVERSITÄT
BERN

UNIVERSITÉ DU
LUXEMBOURG

GFZ
Helmholtz Centre
POTSDAM

TU
Graz
Graz University of Technology

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Leibniz
Universität
Hannover

cnes

DLR

géode & cie



Horizon2020

Task 7.1

Project information

Presenter: Peter Ruzek

Affiliation: UBERN

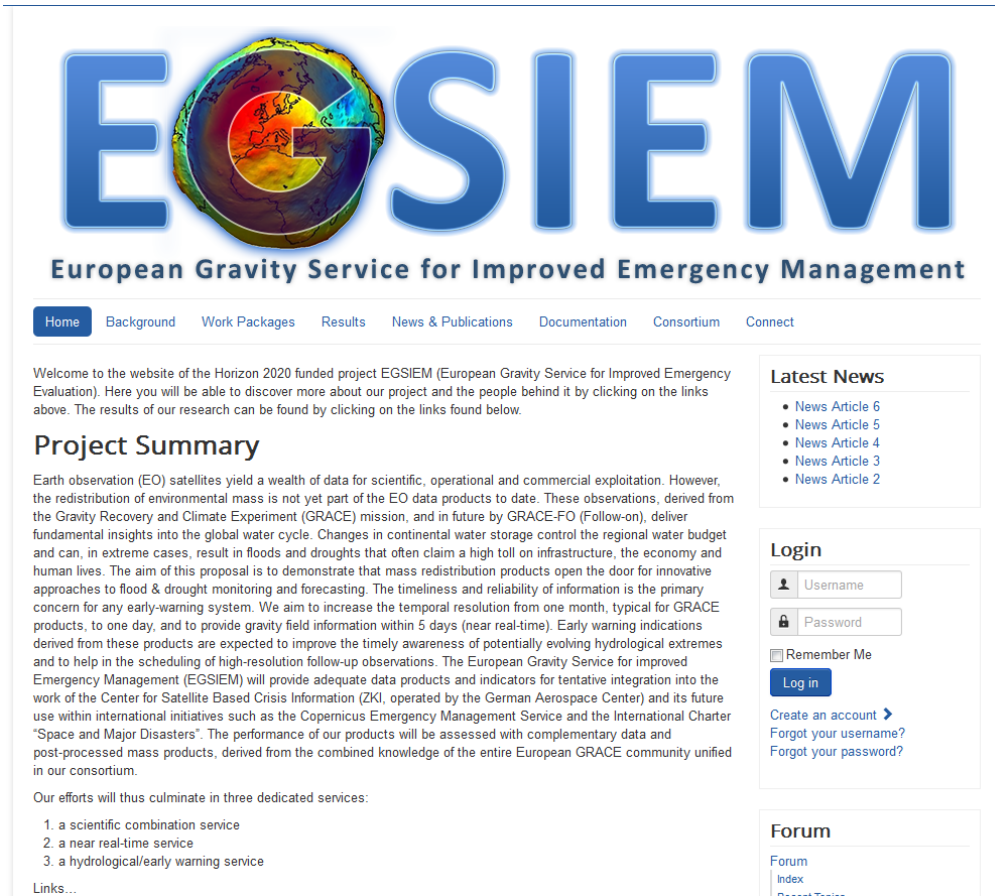
Points covered

- Target Platform
 - Joomla CMS
- Site Structure and Content
- Layout, responsiveness
- Final site URL: www.egsiem.eu

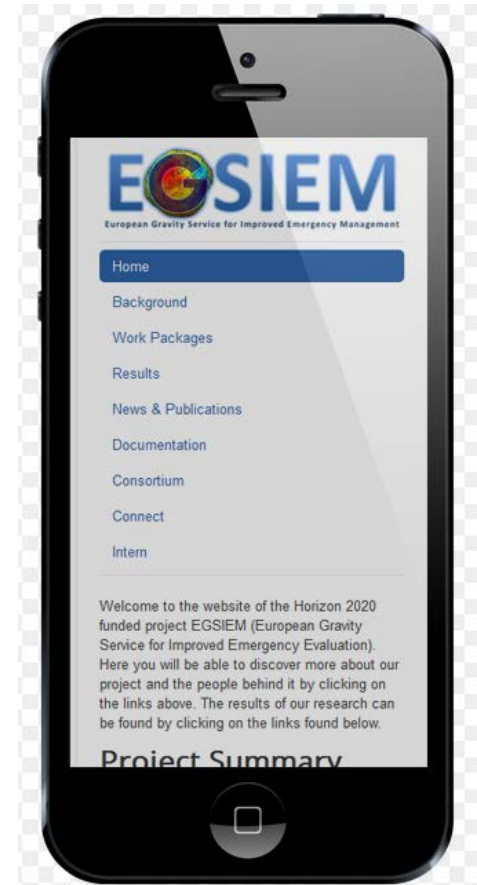
Sitemap

- www.egsiem.eu
 - Home
 - Background
 - Work Packages
 - Results
 - News & Publications
 - Documentation
 - Consortium
 - Connect
 - Contact
 - Forum
 - Social Media Links
 - *Intern (Restricted Area)*

Responsive Design



The desktop view of the EGSiEM website features a large header with the EGSiEM logo, which includes a globe icon. Below the logo is the text "European Gravity Service for Improved Emergency Management". A navigation menu contains links for Home, Background, Work Packages, Results, News & Publications, Documentation, Consortium, and Connect. The main content area includes a "Project Summary" section with introductory text and a list of "Latest News" with links to news articles. There is also a "Login" section with fields for Username and Password, a "Remember Me" checkbox, and a "Log in" button. A "Forum" section is visible at the bottom.

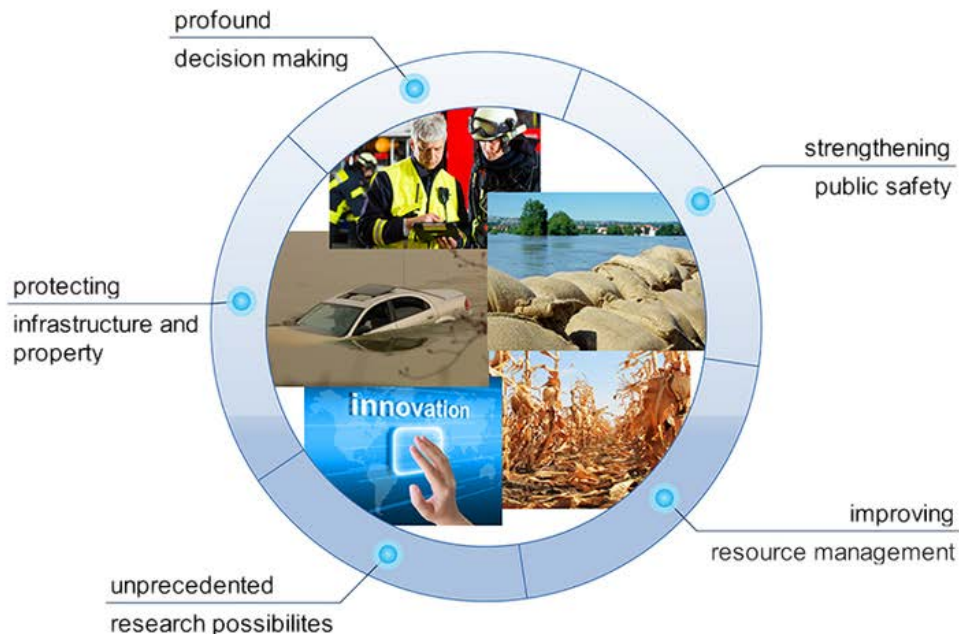


The mobile view of the EGSiEM website is displayed on a smartphone screen. The layout is vertically oriented and condensed. The EGSiEM logo and tagline are at the top. A blue navigation bar contains the "Home" link. Below it, a list of menu items includes Background, Work Packages, Results, News & Publications, Documentation, Consortium, Connect, and Intern. The main content area shows the "Project Summary" text, which is truncated to fit the screen.

EGSIEM

European Gravity Service for Improved Emergency Management

[Home](#) [Background](#) [Work Packages](#) [Results](#) [News & Publications](#) [Documentation](#) [Consortium](#) [Connect](#) [Intern](#)



Latest News

- Egsiem Kickoff Meeting
- News Article 6
- News Article 5
- News Article 4
- News Article 3

Login

Hi newswriter,

[Log out](#)

User Menu


- Your Profile
- Submit an Article
- Submit a Weblink

Forum

Grace Plotter Integrated as «Iframe»


Home Background Work Packages **Results** News & Publications Documentation Consortium Connect Intern

Horizon 2020 — EGSiEM Visualization Tool Demo



Add up to 4 gravity time-series, choose your data center and version, customize your extraction area, and plot your graph!

Series title	Data center	Version	Extraction Area	Address	Latitude	Longitude
Series 1	CNES	RL03	Point	Brussels, European Cc	50.843390	4.382467



Plotter embedded as Iframe



European Gravity Service for Improved Emergency Management

[Home](#) [Background](#) [Work Packages](#) [Results](#) **[News & Publications](#)** [Documentation](#) [Consortium](#) [Connect](#) [Intern](#)

News Article 6

Details

 Published: 11 November 2014



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EGSIEM

European Gravity Service for Improved Emergency Management

[Home](#)
[Background](#)
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[Documentation](#)
[Consortium](#)
[Connect](#)
[Intern](#)

[Index](#)
[Recent Topics](#)
[New Topic](#)
[No Replies](#)
[My Topics](#)
[Profile](#)
[Help](#)
[Search](#)

Welcome, newswriter
 Last Visit Date: Yesterday
[Logout](#)

Forum > Index

EGSIEM			
	What is this?	1 Topics	0 Replies
		Last Post: what by dummy 2 months 1 day ago	
Horzion2020			
	Isn't this the same?	0 Topics	0 Replies
		No Posts	
Who Is Online			
Total users online: 1 Member and 1 Guest Online			
	newswriter		
Legend: Site Administrator, Global Moderator, Moderator, Banned, User, Guest			
EGSIEM Forum Forum Statistics			
Total Messages: 1 Total Subjects: 1		Total Users: 8 Latest Member: authoruser	
Total Sections: 2 Total Categories: 2			

Latest News

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Forum

- [Forum](#)
- [Index](#)
- [Recent Topics](#)
- [New Topic](#)



Points under development

- User groups and permissions
- Registration handling
- Final Grace plotter integration
- Hosting
- Service for big files
- Social media registration and integration

Development Prototype

- <http://horizon2020.unibe.ch>
- Unibe internal only

Milestones

- End 2014
 - Content Management System
 - Site structure
 - Some content
- Middle of February 2015
 - Hosting and URL Registration
 - Working Website available to all Members
- Middle of March 2015
 - Final improvements
 - Launch

Request for good, high quality pictures

- Who can contribute (GFZ, DLR)?

Responsibilities for social media?

- Forum
- Newsletter
- Other social media?

Task 7.2

GRACE plotter

Presenter: Stephane Bourgogne

Affiliation: G&C

Summary

- What is The GRACE Plotter?
- Planned developments
- Discussion



The *Marvellous* GRACE Plotter

What is The GRACE Plotter?

- Online visualization tool
- Funded by CNES for CNES/GRGS
- Designed and developed by Géode & Cie

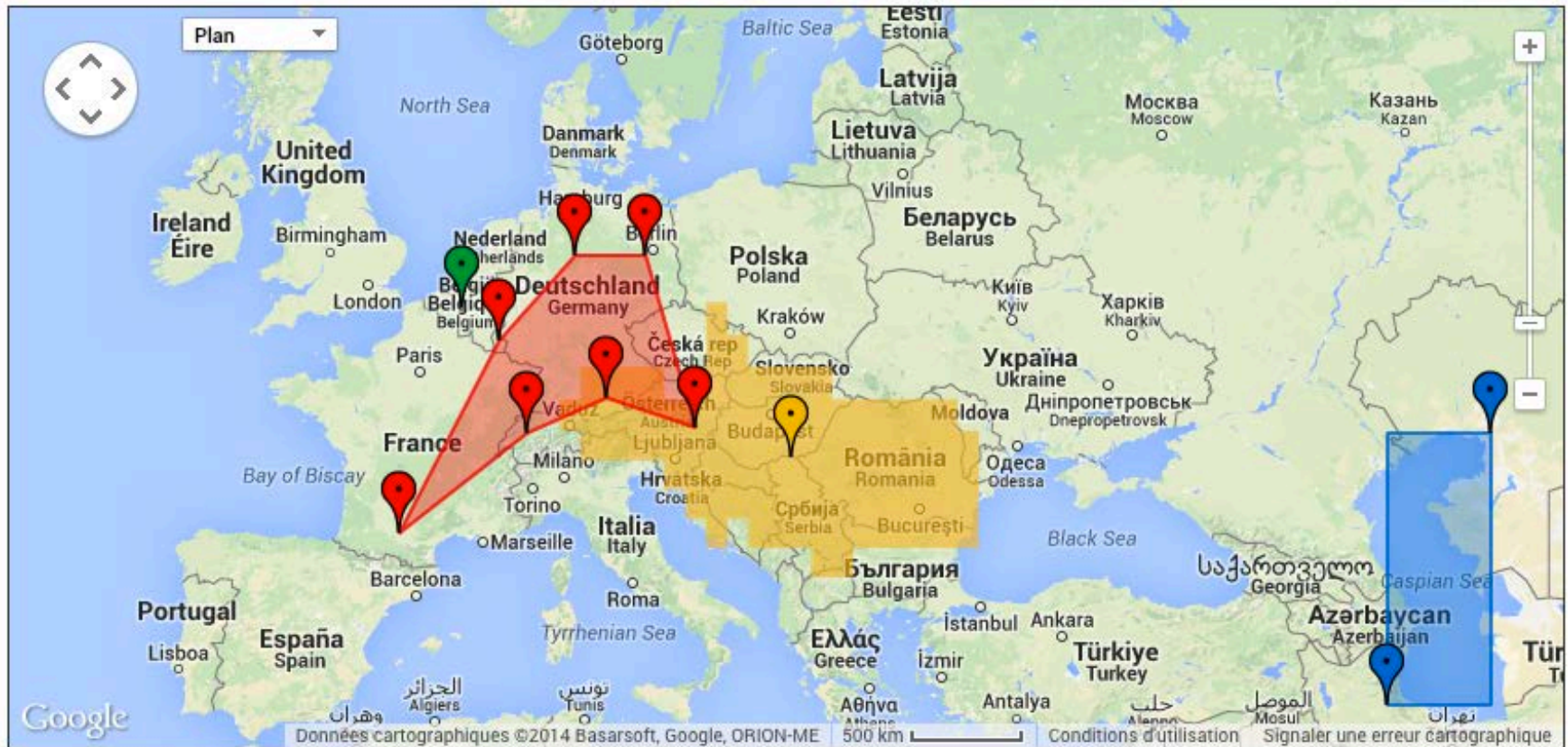


géode & cie

A data selection module

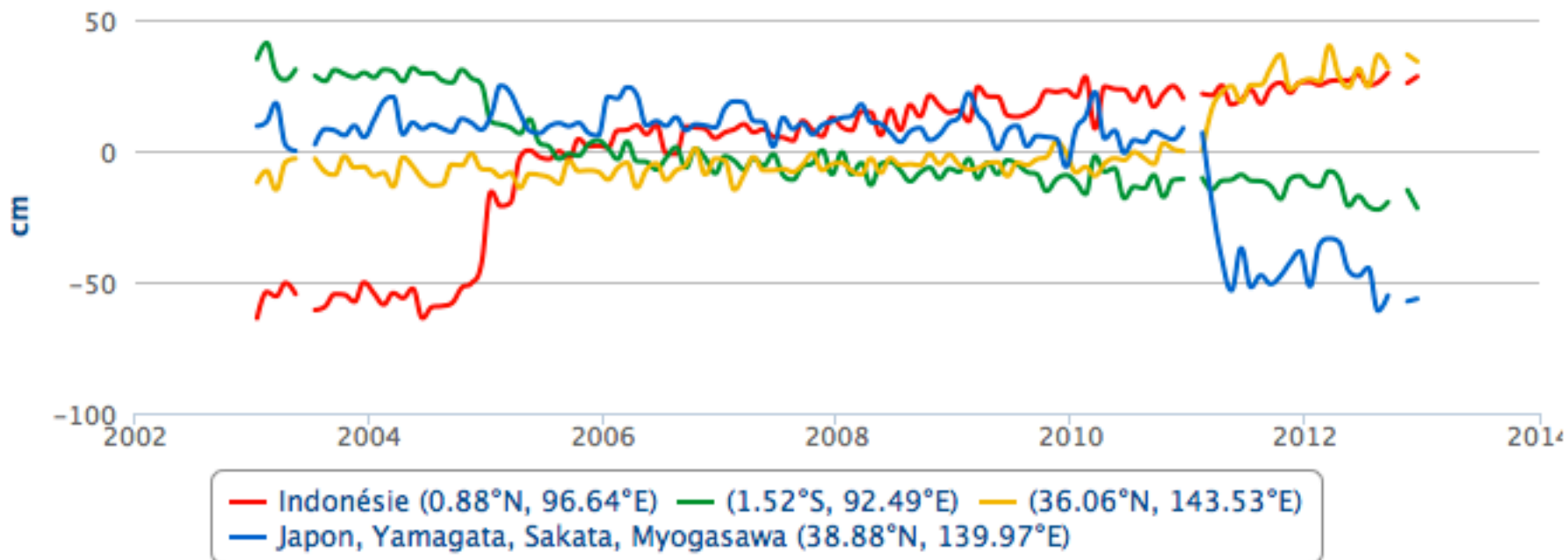
Series title	Data center	Version	Area	Address	Latitude	Longitude	Apply
Series 1	CNES/GRGS	RL03-v1	7-Heptagon	Bern, Switzerland	46.947922	7.444608	All
				Oberpfaffenhofen, Germa	48.074400	11.262200	
				Graz, Austria	47.070714	15.439504	
				Potsdam, Germany	52.390569	13.064473	
				Hannover, Germany	52.375892	9.732010	
				Luxembourg	49.815273	6.129583	
				Toulouse, France	43.604652	1.444209	
Series 2	GFZ	RL05-DDK5	Point	Brussels, European Comrn	50.842317	4.370471	All
Series 3	CSR	RL05-DDK5	Danube	Danube basin	46.121053	19.994737	All
Series 4	JPL	RL05-DDK5	Rectangle	Iran, Province d'Ardabil	37.385404	48.373454	All
				Kazakhstan, District de Jy	46.937235	53.227348	

A geographic module



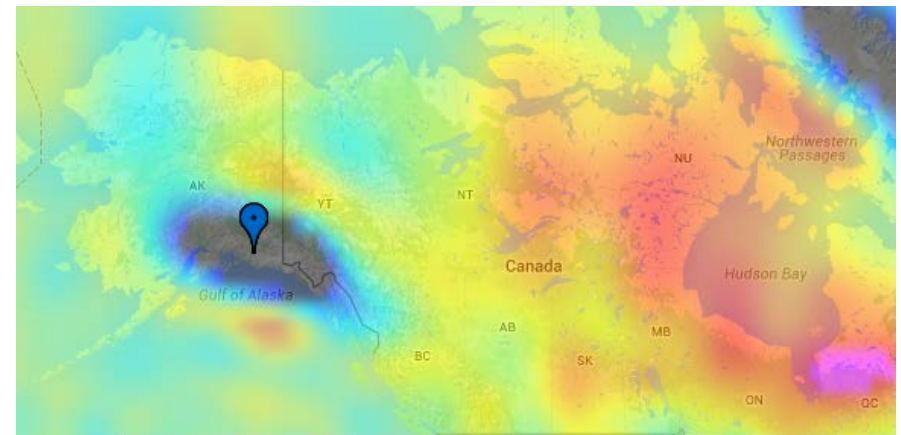
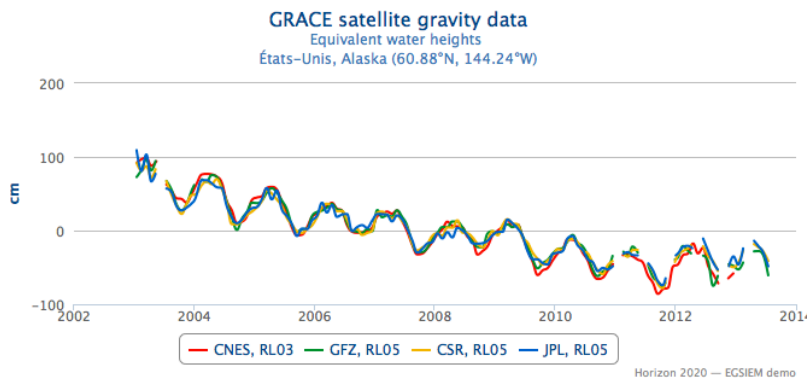
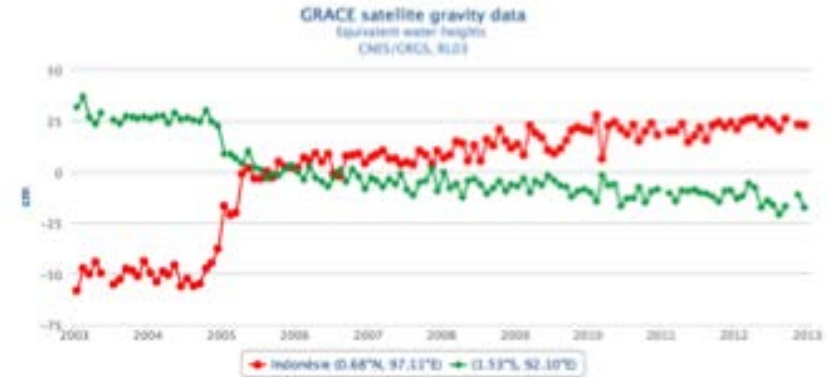
A graphic module

GRACE satellite gravity data
Equivalent water heights
CNES, RL03



Horizon 2020 — EGSIM demo

An appreciated tool, which has received very nice comments, both at meetings or by email



EGSIEM

- Will be extended to the EGSIEM project
 - Will host the consortium data and results
 - Logos of the partners and EU
- Roles
 - Tool for validation for the EGSIEM team
 - Window to the outside: simple and fun so that non-specialist people can get attracted easily

Planned developments

- Ergonomics and functionalities
- Data offer
- Updates and maintenance

Ergonomics and functionalities

- Ergonomics: trying to make your life pleasant and simple
- A few examples
 - Zoom and scaling
 - Number of series
 - Download button (text and image)
 - Mobile browsing (phones/tablets)
 - Show/hide (info bubbles)
 - User experience welcome

Ergonomics and functionalities

- Functionalities
 - Model adjustment on the time-series: simple trend to more sophisticated model
 - Plotting images of gravity models for comparison

Data offer

- Until now:
 - Latest releases from CNES/GRGS, GFZ, CSR, JPL (from ICGEM SH models)
- Shall include:
 - Gravity results from the member groups
 - EGSiEM project outputs: combined fields and other products

Data offer

- Bonuses
 - Can include non-gravity data that is interesting for our purposes (comparison, validation): hydrology...
- Plus
 - More filtering options
 - More background maps
 - More basins...

Propose data on the GRACE Plotter

- Time-series
 - SH models (ICGEM)
 - 1°x1° global grids
- Specific zones or basins
 - Can be added on suggestion
- Formats will be provided

Updates and maintenance

- Data updates
 - Along with the project results
- Internal work
 - Keep the code clean
 - Upgrade to the latest versions of libraries (Google Maps)
 - Stay compliant with modern browsers
 - Keep the bugs away

Across the Internet

- Links with:
 - Project website
 - ICGEM

- Communication?
 - Web campaign?
 - Press?

Summary

- Should serve both internally and as a dissemination/communication tool
- Should be scientifically efficient and useful, yet simple and fun to use
- Will be open to user comments

Thank you for your attention

Task 7.3

Student competitions

Presenter: Tamara Bandikova (see pdf-file)

Affiliation: LUH

Task 7.4

Public education

Presenter: Jakob Flury (see pdf-file)

Affiliation: LUH

Task 7.5

Dedicated sessions at conferences

Presenter: Matthias Weigelt

Affiliation: UL

Upcoming conferences:

Conference	Session	Date	Place	Abstract
Academic Conference of Geophysical Technology	n. p. a.	20.-22. Mar.	Heifei, CHN	15. February
AGU joint assembly	n. p. a.	03.-07. May	Montreal, CAN	14. January
IUGG General Assembly	n. p. a.	22. Jun. – 02. Jul.	Prag, CZE	31. January
GSTM	?	21.-23. Sept.	Austin, Texas, USA	?
AGU Fall meeting	YES (April)	14.-18. Dec.	San Francisco, USA	August (?)
EGU 2016	YES (July)	Apr. 2016	Vienna, AUT	January 2016
2 nd Congress of China Geodesy and Geophysics	no announcement yet, but likely organized by IUGG China Committee			
International Gravity Meeting	no announcement yet, but within next two years organized by Li, Jiang, Sneeuw			

Press echo for 1st press release from UL

Presenter: Matthias Weigelt

Affiliation: UL

Press release preparation

- Contact your communication department
- Expect several iterations (5-6)
- Use simple and pictorial language
- Explain by example
- Sacrifice scientific correctness for pictorial description (if necessary and to some extent)
- Prepare pictures, pictures, pictures (and movies)
- Be available on the first three days after publication
- Call back if they cannot get a hold on you ...
- Don't be surprised if there is no response (only 5% s.r.)

Press release



UNIVERSITÉ DU
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Pressemitteilung

📁 FACULTÉ DES SCIENCES, DE LA TECHNOLOGIE ET DE LA COMMUNICATION

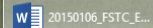
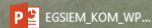
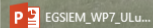
Forschungsidee aus Luxemburg und Bern nun als großes EU-Vorhaben gestartet Universität Luxemburg und Partner machen Fluten und Dürren vorhersagbar

Luxemburg, den 6. Januar 2015 – Je früher man Naturkatastrophen voraussehen kann, desto besser lässt sich darauf reagieren. Überschwemmungen zum Beispiel bauen sich aber so schnell auf, dass sie bisher kaum vorhersagbar sind. Geophysiker der Universitäten Luxemburg und Bern entwickelten nun ein Verfahren, wie man die Vorwarnzeit für Fluten und Dürren deutlich erhöhen könnte – eine Idee, die nun als großes EU-Projekt mit acht renommierten Partnern umgesetzt wird.

56 Forschungsprojekte hatten sich beworben, vier haben das EU-Geld zur Ausschreibung „*New ideas for Earth-relevant space applications*“ bekommen. Darunter, mit maximaler Punktzahl, das Vorhaben namens EGSiEM (European Gravity Service for Improved Emergency Management), das auf Initiative der Forscher aus Luxemburg die Vorhersehbarkeit von Dürren und Fluten verbessern wird und aus einem Konsortium von Universitäten und Forschungsinstituten aus der Schweiz, Deutschland und Frankreich besteht - ein Projekt, das Menschen weltweit zugutekommen wird.

„Bei Hochwasser gehen Rettungskräfte zwar unverzüglich an die Arbeit, aber ihnen fehlt bisher aus technischen Gründen im wahrsten Sinne des Wortes der Überblick – also ein detailliertes Lagebild der Situation“, erklärt Dr. Matthias Weigelt, Postdoc in der Geophysik und neben Prof. Tonie van Dam Mitinitiator des Projektes an der Universität Luxemburg. „Schnellstmöglich werden Fernerkundungssatelliten organisiert, die mit Kamera und Radar Übersichtsbilder und Karten herstellen können – doch ihre Ausrichtung dauert mindestens 48 Stunden.“ Im Prinzip kommen diese Satelliten also immer zu spät, weil speziell Fluten sich

proximate value).



EGSiEM Kick Off Meeting, University of Bern, January 13. – 14. 2015



Horizon2020

Newspaper echo


Chronicle.lu
Live · Luxembourg ·

Tageblatt.lu Nachrichten Wirtschaft
Luxemburg Land & Leit

FORSCHUNGSPROJEKT 06. Januar 2015

"Uns fehlt bislang Überblick"

Extremwetter soll in Zukunft besser vorhersagt werden. Luxemburg hatte dafür ein Forschungsprojekt, das jetzt ein EU-Vorhaben ist.



Die Universität Luxemburg will Fluten und Dürren in Zukunft vorhersagen. Jetzt ein EU-Vorhaben. (Bild: AFP)

Uorlesen Witterungsbedingte Naturkatastrophen richten schwere Verwüstungen an und kosten Zehntausende Menschen das Leben. Die Welt muss sich in Zukunft zunehmend auf extreme Wetterbedingungen wie Flutkatastrophen, Dürren und Hitzewellen einstellen. Betroffen seien vor allem weniger entwickelte Länder in Ost-, West- und Zentralafrika sowie

UNIVERSITÉ DU LUXEMBOURG

Carlo Schneider Die Welt aus der Sicht des Karikaturisten

essentiel Nachrichten Wirtschaft
Luxemburg Großregion

IN LUXEMBOURG

Uni verbessert Vorhersage vor Naturkatastrophen

LUXEMBOURG – Die Uni Luxemburg hat ein neues Projekt. Es soll Naturkatastrophen vorhersagen.



Beim letzten großen Elde-Hochwasser brachen 2013 in Deutschland sogar die Deiche, wie hier im ostdeutschen Fischbeck. Foto: Jens Wolff/apa

Geophysiker der Universitäten Luxemburg und Bern haben ein Verfahren entwickelt, das die Vorwarnzeit für Fluten und Dürren verkürzen könnte. In ihrem Projekt «European Gravity Service» sind acht renommierte Partner beteiligt.

Out of a total of 56 research projects registered, four have received EU funds in the competition entitled "New


Luxemburger Wort
Deutsche Ausgabe | Edition Francophone | Contacto

LUXEMBOURG POLITICS INTERNATIONAL BUSINESS CULTURE SPORT LIFESTYLE PANORAMA COMMUNITY

Weather 11° Traffic Weddings Births Obituaries Classified Ads Services Competitions Cinema Events

EU funding

Predicting floods with research from Luxembourg



File Photo: AP/NASA

Published on Tuesday, 6 January, 2015 at 17:54

(CS) Scientists at the University of Luxembourg are part of a research group awarded EU funding to develop technologies to help predict floods and droughts.

DOSSIER

Absturz des AirAsia-Flugzeugs



Ein Passagierflugzeug mit 162 Menschen an Bord ist über Indonesien ins Meer gestürzt. Die Maschine der malaysischen Fluggesellschaft AirAsia war auf dem Weg nach Singapur plötzlich vom Rader verschwunden.

LUXEMBURG-LEAKS

SEARCH

Governmental announcements

ig-floods/index.html#top

Conferences | Matlab | DOI | Google | Google Scholar | Leo - En | Leo - Fr | dict.luxdico.com | Foreca | BEOLINGUS | Geowiki | Save to Mendeley

Accessibilité | Aide | A propos du site | Aspects légaux



Portail luxembourgeois de l'innovation et de la recherche
GRAND-DUCHÉ DE LUXEMBOURG



English version

Recherche : OK

Accueil | Plan du site | Flux RSS | Liens | FAQ | Feed-back | Newsletter | Contact

Accueil > Actualités > Janvier 2015 > L'Université du Luxembourg et ses partenaires rendent prévisibles inondations et sécheresses

L'Université du Luxembourg et ses partenaires rendent prévisibles inondations et sécheresses

07-01-2015



Plus on peut prévoir les catastrophes naturelles, mieux on peut y réagir. Mais les inondations se produisent si rapidement qu'elles sont difficilement prévisibles jusqu'à présent. Des géophysiciens des Universités du Luxembourg et de Berne ont mis au point un procédé permettant d'augmenter considérablement le délai de pré-alerte des crues et sécheresses – une idée désormais transposée en grand projet UE impliquant huit partenaires renommés.

Sur les 56 projets de recherche déposés, quatre ont obtenu les fonds de l'UE dans le cadre du concours "New ideas for Earth-relevant space applications". Parmi ces quatre projets, celui baptisé EGSIM (European Gravity Service for Improved Emergency Management) a recueilli un maximum de points. Co- initié par les chercheurs du Luxembourg, il se compose d'un consortium d'universités et d'instituts de recherche suisses, allemands et français et vise à améliorer la prévisibilité des sécheresses et des crues – un projet dont bénéficiera la société civile du monde entier.

"En cas d'inondation, les services de sauvetage se mettent immédiatement au travail, certes. Mais, pour des raisons techniques, il leur manque une vue d'ensemble au sens littéral du terme – c'est-à-dire une image détaillée de la situation", explique le Dr Matthias Weigelt, post-doc en géophysique et co-initiateur du projet à l'Université du Luxembourg avec Professeure Tonie van Dam. "Des satellites d'exploration équipés de caméras et de radars et permettant de créer des vues globales et des cartes s'organisent rapidement – mais cela prend au moins 48 heures!". En principe, ces satellites arrivent ainsi toujours trop tard parce que les crues se forment en quelques heures de façon totalement imprévisible.

Agenda

Contact

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Luxembourg
Tél. : +352 46 66 44 60 00
E-mail : seve.infos@uni.lu
Site Internet :
• [Université du Luxembourg](http://www.univ.lu)

Radio and TV

- 2 Radio Interview



- 1 TV interview



Important:

Rehearse before!!!

Typical questions:

What is it about?

What is new?

What is your contribution?

What is the benefit?

How much money?