



Minutes of the RainGain Partner Workshop

Prepared by Patrick Willems (KU Leuven), Marie-Claire ten Veldhuis en Regina Edoe (TU Delft)

Date: Tuesday 17th April 2012, from 9:00 to 17:00

Venue: Arenberg Library Room, CBA Celestijnenklooster, CBA 01.10 Nicolas De le Ville zaal, Willem de Croylaan 6, 3001 Heverlee (Leuven), Belgium

Present:

Bruni / Guendalina	TU Delft
ten Veldhuis / Marie-Claire	TU Delft
Russchenberg / Herman	TU Delft
Decloedt / Laurens Cas	KU Leuven
Tabary / Pierre	Météo France
Tchiguirinskaia / Ioulia	Ecole des Ponts ParisTech
Goedbloed / Daniel	Municipality of Rotterdam
Otten / Pieter	Municipality of Rotterdam
Kroll / Stefan	Aquafin NV
Van Assel / Johan	Aquafin NV
Pessemier / Mieke	Aquafin NV
Van Dorpe / Mieke	Aquafin NV
Smits / Riet	Aquafin NV
Weemaes / Marjoleine	Aquafin NV
Darlington / Tim	UK Met Office
Johnston / Andy	UK Local Government Information Unit



Thaves / Laurie	UK Local Government Information Unit
Maksimovic / Cedo	Imperial College London
de Haan / Erik	Provincie Zuid-Holland
Le Moing / François	Ecole des Ponts ParisTech
Ochoa Rodriguez / Susana	Imperial College London
Wang / Li-Pen	Imperial College London
Edoo / Regina	TU Delft
Wink / Alwin	TU Delft
Schertzer / Daniel	Ecole des Ponts ParisTech
Gires / Auguste	Ecole des Ponts ParisTech
Willems / Patrick	KU Leuven



Programme - RainGain partner workshop

(chair: M-C. ten Veldhuis)

9:00 – 9:30 Arrival and coffee

9:30 – 9:45 Welcome by Marie-Claire ten Veldhuis

9:45 – 11:00 Patrick Willems & Herman Russchenberg:

Summary outcomes international workshop 16 April

General overview of X- and C-band radar technologies

Guidelines for radar calibration and fine-scale rainfall estimation for pilot sites

11:00 – 11:30 Break

11:30 – 13:00 Presentations by pilot site leaders (30min each)

- o Rotterdam pilot site

- o London pilot sites

+ pres. Andy Johnson, LGiU on Local Government Flood Forum

- o Paris pilot sites

13:00 – 14:00 Lunch

14:00 – 14:30 Presentations by pilot site leaders (30min each) - cont.

- o Leuven pilot site

14:30 – 15:00 Discussion on pilot sites planning and data exchange between partners

15:00 – 15:30 François Le Moing: Project communication (website, intranet, newsletter)

15:30 – 16:00 Regina/Alwin: Progress report and financial overview 1st payment claim

16:00 – 16:30 Marie-Claire/Regina: Steering Committee decisions

16:30 – 16:45 Marie-Claire: Planning next months

17:00 Closure



Minutes - RainGain partner workshop

9:30 – 9:45 Welcome

- RainGain Project introduction by Marie-Claire ten Veldhuis.
- Leuven radar site visit (18 April) announcement and practical/organizational issues by Johan Van Assel

9:45 – 11:00 Summary outcomes international workshop 16 April and general overview of X- and C-band radar technologies

(Slide presentations are available on the website: www.raingain.eu)

- Summary is given on the outcomes of the International RainGain workshop of 16 April by Patrick Willems. The preparation is announced of an “guidelines” document (to be prepared by Laurens Cas Decloedt, KU Leuven) on fine-scale rainfall estimation, based on the conclusions of the International Workshop. The document also aims to transfer the available knowledge from radar meteorologists to urban hydrologists, and to contribute to the enhanced interfacing between these two expertise fields.
- A general overview on X- and C-band radar technologies is presented by Herman Russchenberg. The aim of this presentation was to clarify some of the technical concepts discussed among the experts during the International Workshop.

11:30 – 13:00 Presentations by pilot site leaders (30min each)

(Slide presentations are available on the website: www.raingain.eu)

- Rotterdam pilot site presentation by Daniel Goedbloed (City of Rotterdam)
- London pilot site presentation by Cedo Maksimovic and Suzanna Ochoa-Rodriguez (Imperial College London) + presentation by Andy Johnson, LGiU on Local Government Flood Forum
- Paris pilot site by Daniel Schertzer (Ecole des Ponts)
- Leuven pilot site by Johan Van Assel (Aquafin)

Each of the pilot site leaders presented all or most of the following topics in their presentations:



- Brief overview of the national partners involved in the pilot sites and their roles
- Brief presentation of the radar location, radar type + main specifications
- Selection of that specific location was selected, e.g. results of clutter tests
- Description of the rain gauge network + nearby other (C-band) radars
- For radars recently installed or still to be installed: timing of installation and summary of the data transfer protocols (WP1) + timing of rainfall data processing activities (WP2)
- For Leuven pilot: summary of the radar calibration activities + results (WP2)
- Brief presentation of the sewer system in the pilot sites: location + main characteristics + sewer monitoring campaigns
- Existing sewer system model or modeling activities planned
- Overview of the main water management and planning problems/needs + plans reg. RTC
- For Leuven pilot: first results on the comparison between simulated and observed flows (based on radar and/or rain gauges)
- For other pilots: planning for the modeling / simulation / management support activities (WP3, WP4)
- Summary of the outcome of the National Observer Group meeting

14:30 – 15:00 Discussion on pilot sites planning and data exchange between partners

It was discussed that data exchange may consist of facts sheets on the methods, on the models (perhaps even the models itself), for the pilot site studies, on the policy context of each country, on the exchange of radar information (OPERA), etc. Some of these aspects could be investigated with an online survey.

It was agreed that a survey will be made to summarize the demands context and interests in terms of modeling and data exchange at the pilot sites and the possibilities that can be offered by the project partners. A technical meeting will be organized in June in London for pilot site leaders to discuss issues of data and model exchange.

15:00 – 15:30 Project communication plan

(Slide presentation is available on the website: www.raingain.eu)



Ioulia Tchiguirinskaia presented the RainGain project communication plan, including the web site, intranet, newsletter (shorter but more frequently), e-mail communication. She explained that some delay was experienced in communication activities because the communication expert that was foreseen to work on the RainGain project left ENPC at the very start of the project period. ENPC has been in the process of finding a communication expert for the project, with good English language skills, but so far no permanent communication expert could be appointed. A staff member working on the ENPC website will temporarily do additional work for the RainGain website until a permanent solution is found.

List of contact persons is now updated (for scientific content, financial aspects and for communication issues; both on financial and technical aspects).

15:30 – 16:00 Progress report and financial overview 1st payment claim

Regina Edo and Alwin Wink presented the progress report and first payment claim for the period June to December 2011. It was explained that the deadline for the next progress report and qualitative indicators is 10 September 2012. The deadline for the second payment claim still has to be set.

16:00 – 16:30 Steering Committee decisions

Regina Edo and Marie-Claire ten Veldhuis chaired the RainGain Steering Committee. The following Steering Committee decisions (first payment claim and progress report) were formally approved:

- First payment claim period 1 June 2011 - 31 December 2011
- Progress report period 1 June 2011 - 31 December 2011

Furthermore, it was decided that project partners will contact the communication officer at ENPC whenever they will organize meetings or publish information related to the RainGain project, so that these events and materials can be announced/presented on the project website.

16:30 – 16:45 Planning next months

Marie-Claire ten Veldhuis presented the planning for the next months:



- Report and guidelines document of the International Workshop on “fine-scale rainfall estimation” will be prepared (by Laurens Cas Decloedt, KU Leuven)
- Fact sheets will be made on the used models, experiences, data availability, etc. (by Suzanna Ochoa-Rodriguez, Imperial College London)
- Fact sheets will be made about the pilot site details (by Marie-claire ten Veldhuis and Guenda Bruni, TU Delft)
- Next project meeting will take place on 25-26 October at Rotterdam
- Meeting of April 2013 is set to 15-16 April 2013.

Attached

- Announcement and programme of the workshop
- List of participants + signatures

RAINGAIN Partner Workshop, Leuven, 17 April 2012

Programme

(chair: M-C. ten Veldhuis)

- 9:00 – 9:30 Arrival and coffee
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- 9:45 – 11:00 Patrick Willems & Herman Russchenberg:
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- 11:00 – 11:30 Break
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 - o London case
+ pres. Andy Johnson, LGiU on Local Government Flood Forum
 - o Paris case
- 13:00 – 14:00 Lunch
- 14:00 – 14:30 Presentations by pilot site leaders (30min each) - cont.
- o Leuven case
- 14:30 – 15:00 Discussion on pilot sites planning and data exchange between partners
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- 16:30 – 16:45 Marie-Claire: Planning next months
- 17:00 Closure



RAINGAIN workshops, Leuven, 16 & 17 April 2012

Location

Arenberg Library Room: CBA 01.10 NICOLAS DE LE VILLEZAAL
(Address: CBA Celestijnenklooster, Willem de Croylaan 6, 3001 HEVERLEE)



Directions:

The Campuslibrary Arenberg (CBA) at Heverlee, 5 km outside Leuven, is situated on the corner of the streets "Celestijnenlaan" and "W. de Croylaan".

By bus: The library is accessible by bus. Approximately each 10 minutes a bus (bus 2 "Heverlee Campus") leaves the station of Louvain to the campus. Get off at the stop 'Heverlee Campus Arenberg II'. Then follow the small pathway to the entrance or follow the Celestijnenlaan and turn left to the W. de Croylaan. Along the W. de Croylaan there is the main entrance (white arrow).

By car: To arrive at the library by car, follow the Celestijnenlaan and turn into the parking place next to the buildings of the department "Werktuigkunde". At the end of this parking place you will see on your left-hand side a route sign with 'Campusbibliotheek Arenberg'. Just follow this sign to the parking.

By taxi: Ask the driver for the address: Willem de Croylaan 6, 3001 Heverlee.



Wednesday 18 April, 2012 - LEUVEN

Visit to Leuven radar and Financial / administrative helpdesk meetings (optional)

Programme

- Morning (9h30 – 12h) :

Visit to the Leuven radar site and the VMM radar-based flood forecasting system.

- During the visit or at noon :

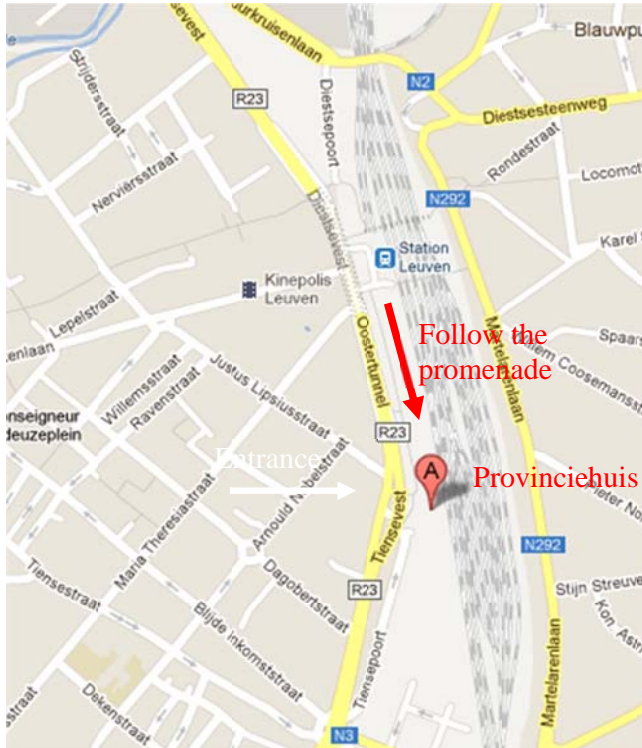
Meeting with the administrative and/or financial project leaders (e.g. questions reg. the 1st payment claim).



RAINGAIN Radar visit (Optional), Leuven, 18 April 2012

Location

Provinciehuis building: we meet at the entrance at 9:30
(Address: Provinciehuis Vlaams-Brabant, Provincieplein 1, 3010 Leuven)



Directions:

The Provinciehuis building is located on walking distance from the railway station of Leuven. Just follow the promenade (marked with a red arrow) and you'll see the Provinciehuis building on your left hand side (see photo above).

By car: For your GPS, use the street name 'Tiensevest' to arrive at the Provinciehuis building. You can also use the parking 'De Bond', which is located near to the station. Just follow the signs to the parking.

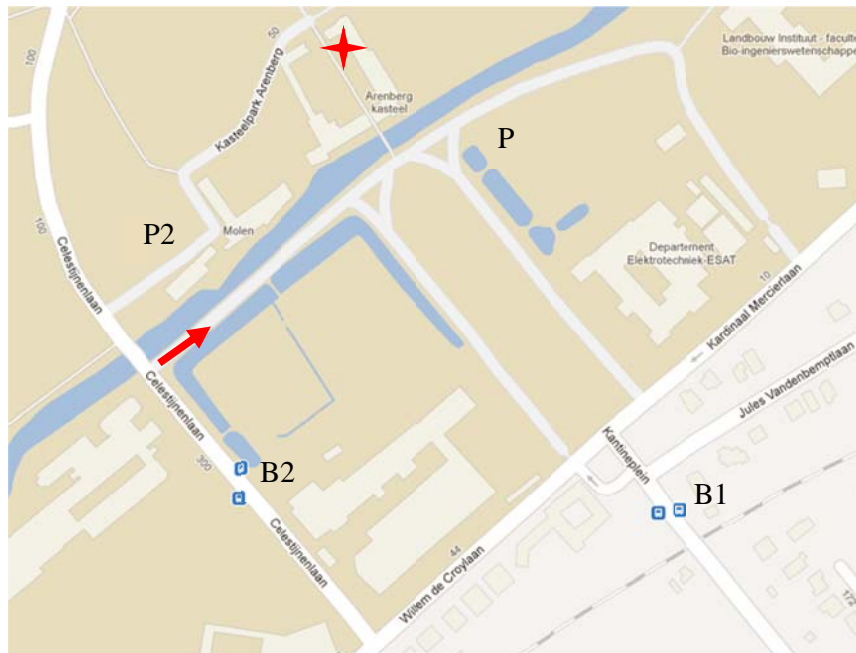


RAINGAIN Financial / administrative helpdesk meetings Leuven, 18 April 2012

Lunch (12:30 – 14:00)

Arenberg Castle room KAST M00.A045 EUPOCO-LOKAAL


(Address: Arenbergkasteel, Kasteelpark Arenberg 1, 3001 HEVERLEE)



The RAINGAIN financial / administrative helpdesk meetings will be held during the lunch (and during the morning, if participants wish). Also participants to the Leuven radar visit and the VMM radar-based flood forecasting system are invited to the lunch. A bus will bring the participants after these visits to the Arenberg Castle.

Please note that the Belgian National Observer Group meeting will start at 2 pm at the same room, so please finish your lunch and meetings by that time, such that the NOG can start well in time.

Directions:

Please see the map for the entrance of the room (indicated with ) at the courtyard of the Arenberg Castle, which is located close to the Campus Library Arenberg.





INTERREG IVB

RAINGAIN Partners meeting, Leuven, 17 April 2012

First Name	Name	Function	Company	Country	Signature
Johan	Van Assel		Aquafin	BE	
Erik	de Haan		provincie Zuid-Holland	NL	
Leurens Cos	Deddoest	PhD researcher	KU Leuven	BE	
Pieter	Ollen	advisor	Rotterdam	NL	
Daniël	Goedbloed	adviseur	City of Rotterdam	NL	
Mant-dave	Jan Veldhuis	ass prof	TU Delft	NL	
Mieke	Pessemier		Aquafin	BE	
Rajina	Eeloe	TUD projm	TUD	NL	
Herman	Russeltes	prof	TUD	NL	
Alwin	Wink	Finance manager	TUD	NL	
Timothy	DARLINGTON		UK met office	UK	
Piet	Smits	/	Aquafin	BE	
Stefan	Knoll		Aquafin	DE	



INTERREG IVB

RAINGAIN Partners meeting, Leuven, 17 April 2012

First Name	Name	Function	Company	Country	Signature
Jouliq	Tchiquirinskais		ENPC	FR	
Pierre	TABARY		Stetor France	France	
David	SCHERTZ		ENPC	FR	
Auguste	GIERES		ENPC	FR	
Čedo	MARSHALL	WP leader	Imperial College	UK	
GUENDALWA	BRUM	PhD	TU Delft	NL	
Magali	weemaes	R&D	Aquaflow	Be	
Susana	odhoa	PhD	Imperial college	UK	
Li-Pen	Wang	PhD student	ICL	UK	
Micha	Van Doye		Aquaflow	BE	
BARRY	O'BRIEN		CGM	UK	
DANNY	JOHANSTON		CGM	UK	
CARRIE	THANES		CGM	UK	

