

EUREF 2008 symposium  
Brussels, Belgium  
June 18, 2008  
C. Bruyninx

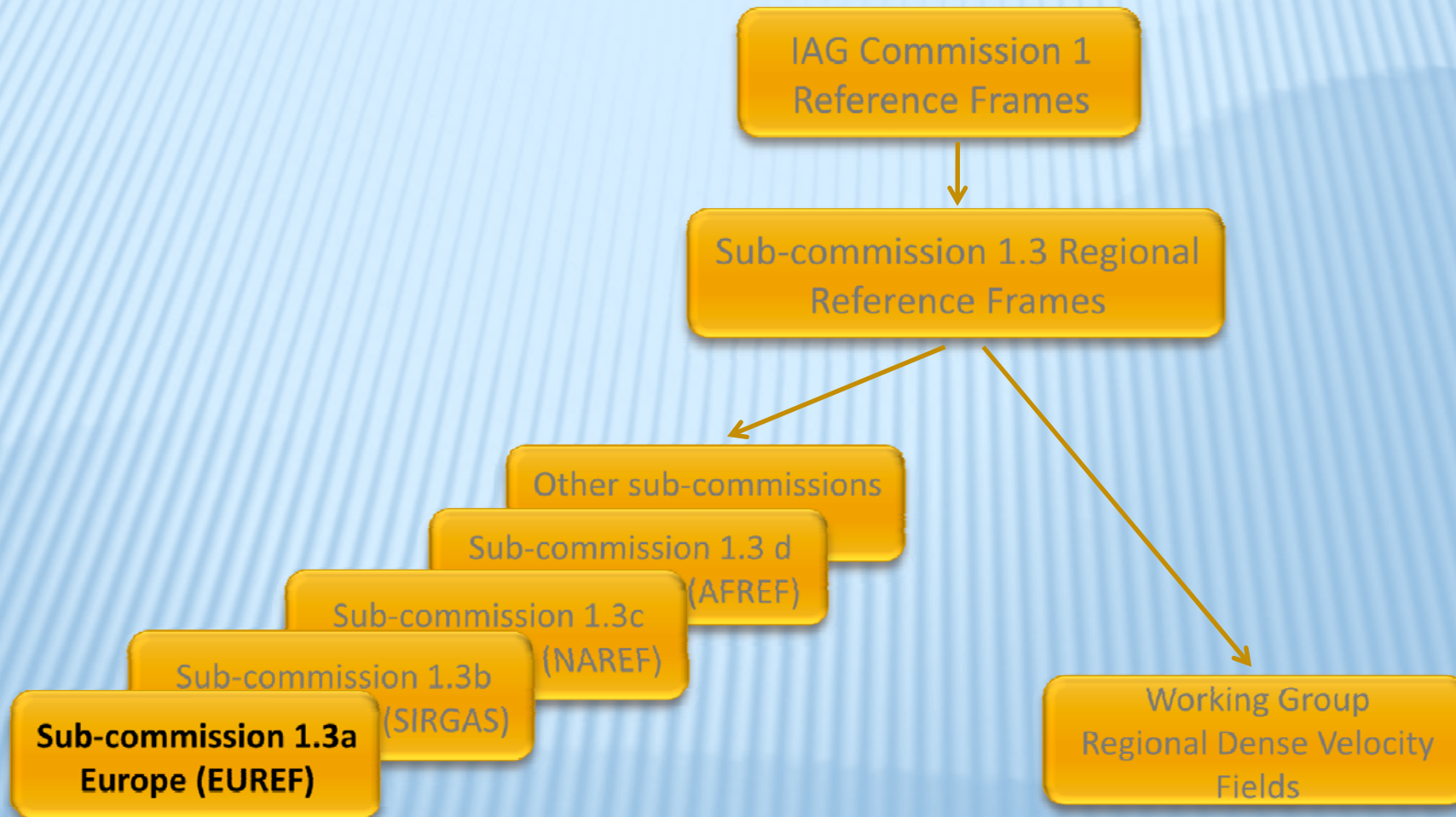


EUREF TWG Meeting, Nov. 2006

## ACTIVITIES OF THE EUREF TECHNICAL WORKING GROUP

For more info . . .  
<http://www.euref.eu/html/twg.html>

# INTERNATIONAL ASSOCIATION OF GEODESY (IAG)



# CURRENT MEMBER LIST

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- ✖ Zuheir Altamimi, France
- ✖ Claude Boucher, France
- ✖ Elmar Brockmann, Switzerland
- ✖ Carine Bruyninx, Belgium (TWG chair)
- ✖ Alessandro Caporali, Italy
- ✖ Werner Gurtner, Switzerland
- ✖ Helmut Hornik, Germany (Secretary)
- ✖ Johannes Ihde, Germany (EUREF chair)
- ✖ Ambrus Kenyeres, Hungary
- ✖ Jaakko Mäkinen, Finland
- ✖ Hans Van der Marel, Netherlands
- ✖ Jaroslav Simek, Czech Republic
- ✖ Joao Torres, Portugal
- ✖ Georg Weber, Germany

## Permanent guests:

- ✖ Heinz Habrich, Germany
- ✖ Guenter Stangl, Austria
- ✖ Wolfgang Söhne, Germany
- ✖ Herman Seeger, Germany

EPN analysis coordinator  
EPN data flow coordinator  
EPN troposphere project  
Permanent consultant



# TWG MEETINGS 2005 - 2008



47	Brussels	17.06.2008
46	Helsinki	3.03 - 01.04.2008
45	Paris	29-30.11.2007
44	London	05.06.2007
43	Lisboa	5-6.03.2007
42	Frankfurt	6-7.11.2006
41	Riga	13.6.2006
40	Padua	13-14.03.2006
39	Berne	07-08.11.2005
38	Vienna	31.05.2005

# COOPERATIONS

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## EuroGeographics

- MOU signed August 2007
- Mutual projects, eg INSPIRE
- Presentation by J. Torres

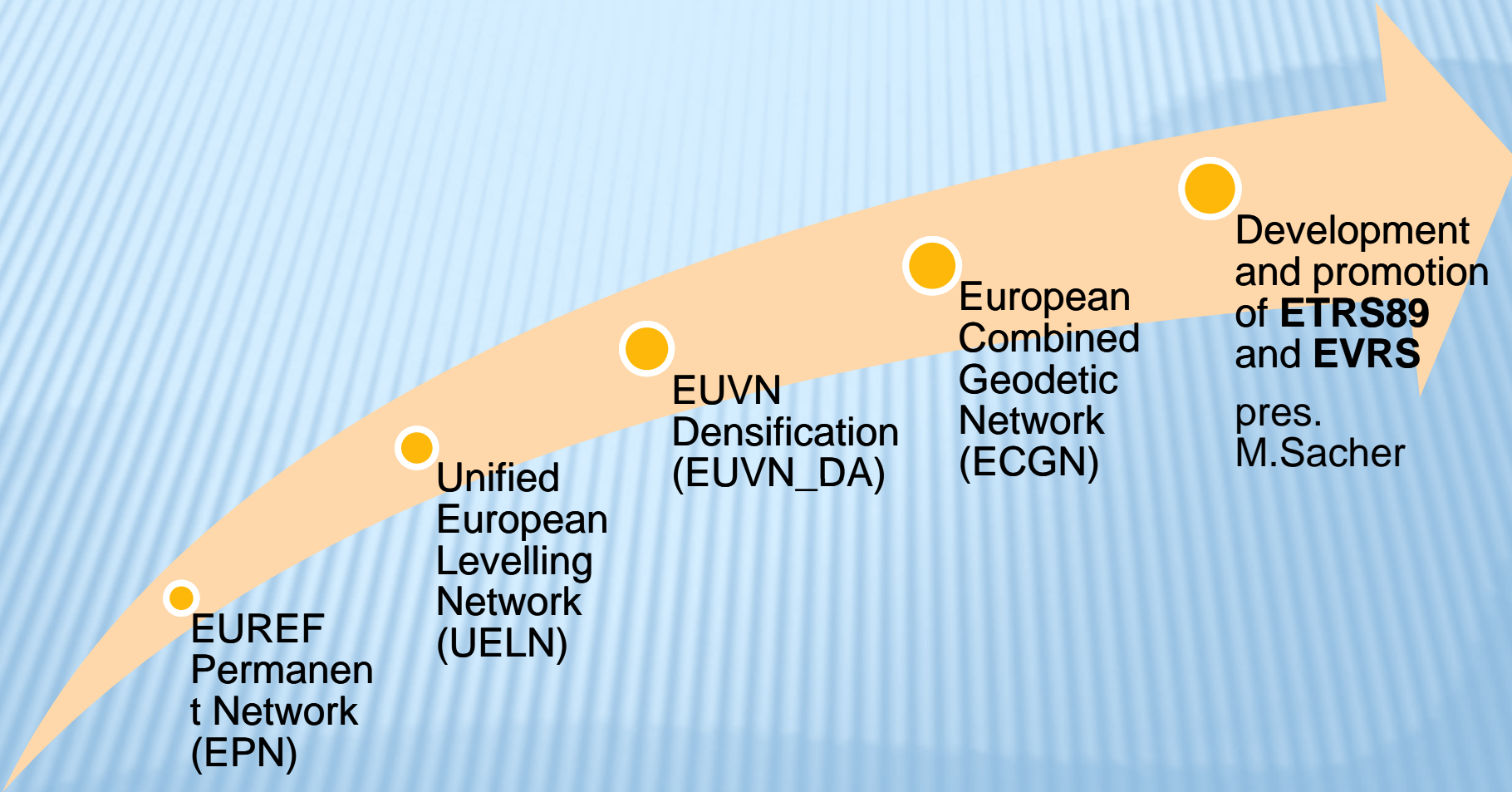


## EUMETNET

- MOU signed June 2007
- Mutual exchange of data

# PROJECTS AND GOALS

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EUREF  
Permanent  
Network  
(EPN)

Unified  
European  
Levelling  
Network  
(UELN)

EUVN  
Densification  
(EUVN\_DA)

European  
Combined  
Geodetic  
Network  
(ECGN)

Development  
and promotion  
of **ETRS89**  
and **EVRS**  
pres.  
M.Sacher



# WORK TO CONTINUE...

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- Promotion of the adoption of ETRS89 and EVRS by European countries
- Improvement of EUREF products and contribution to IAG, IGS and the international services
- Preparation of the integration of Galileo in EUREF activities

# WORK TO CONTINUE...

ETRS89

- ITRF2005 and ETRF2005 has been released
- However, coordinate differences with respect to ETRF2000 are above the noise level
- TWG realizes that this is not acceptable and recommends not to use ETRF2005
- TWG has developed a procedure to allow using ITRF2005 to obtain coordinates and velocities in the ETRS89, but without the associate coordinate jumps
- ETRF2000(R05)



# WORK TO CONTINUE...

ETRS89

- Two different procedures have been under discussion
- Both propose to transform the ITRF2005 directly to the ETRF2000
  - a) Using the transformation parameters derived partly from the global ITRS realizations
  - b) Using estimated transformation formula derived from (sub-set of ) EPN stations
- a) was chosen by the TWG because it is straightforward, in-line with previous years
- Details in presentation by Z. Altamimi

## WORK TO CONTINUE...

## FUTURE ETRS89 REALIZATIONS

However,

TWG is looking for a more modern way of realizing ETRS89

- provide continuity in the coordinates between realizations, i.e jumps in the timeseries should be on the average zero
- give more weight to the EPN (only part of the EPN stations are included in ITRF2005)
- self contained, less dependent from ITRFyy
- More information in presentation by W. Gurtner

# RE-ORGANISATION OF TWG

## Leaving

- W. Gurtner
- J. Simek
- G. Weber
- H. Van der Marel
- C. Boucher

## Permanent guests

- H. Habrich
- W. Söhne
- G. Stangl

## New members

- GLONASS, Galileo
- Reference Systems
- GGOS
- Member at Large

- 4 year terms, renewable once
- EUREF mail April 17 2008: Call for nominations
- EUREF mail May 25 2008: Nominees announced to EUREF community
- This symposium: vote



# OPEN POSITIONS IN TWG

## GNSS

J. DOUSA

Czech  
Republic

## Reference systems

L. BIAGI  
Italy

M. LIDBERG  
Sweden

## GGOS

M.  
POUTANEN  
Finland

## Member at large

F. VESPE  
Italy

R.  
FERNANDES  
Portugal

<http://www.epncb.oma.be/EUREF2008/twgmemberselection.php>



### Election of new members for EUREF Technical Working Group

Jun 09, 2008 by ROB

As you are aware, four positions on the EUREF Technical Working Group(TWG) are vacated.

A nomination committee, consisting of Johannes Ihde, Joao Torres, Helmut Hornik, Elmar Brockmann and Carine Bruyninx established at the April meeting of the TWG, was charged with the task of organising the election and in particular, of presenting a list of candidates.

All participants to the upcoming EUREF symposium in Brussels (June 18-21, 2008) are eligible to vote for one candidate for each of the four positions. The vote will be held during the symposium and the results will be announced during the closing session of the symposium.

We would like to thank all candidates for standing for election. You will certainly agree that the EUREF is fortunate to have such highly qualified and motivated candidates for these positions.

Please use the username and password that you received when you registered at your arrival at the meeting room.

#### LOGIN

Participant name:

Password:



## Election of new members for EUREF Technical Working Group

Jun 09, 2008 by ROB

Dear Carine Bruyninx,

Please use the following form to perform your vote.

Each of the candidates has provided a [short description](#) of his current position and professional activities, and eventually of what he considers would be his main objectives as a TWG member.

<b>Position 1: GNSS</b> <input type="radio"/> Jan Dousa, Czech Republic <input type="radio"/> blank	<b>Position 2: Reference Systems</b> <input type="radio"/> Ludovico Biaggi, Italy <input type="radio"/> Martin Lidberg, Sweden <input type="radio"/> blank
<b>Position 3: GGOS</b> <input type="radio"/> Markku Poutanen, Finland <input type="radio"/> blank	<b>Position 4: Member at large</b> <input type="radio"/> Francesco Vespe, Italy <input type="radio"/> Rui Fernandes, Portugal <input type="radio"/> blank