



VNIVERSITAT
DE VALÈNCIA

April 13, 2011

3rd COST WG Meeting

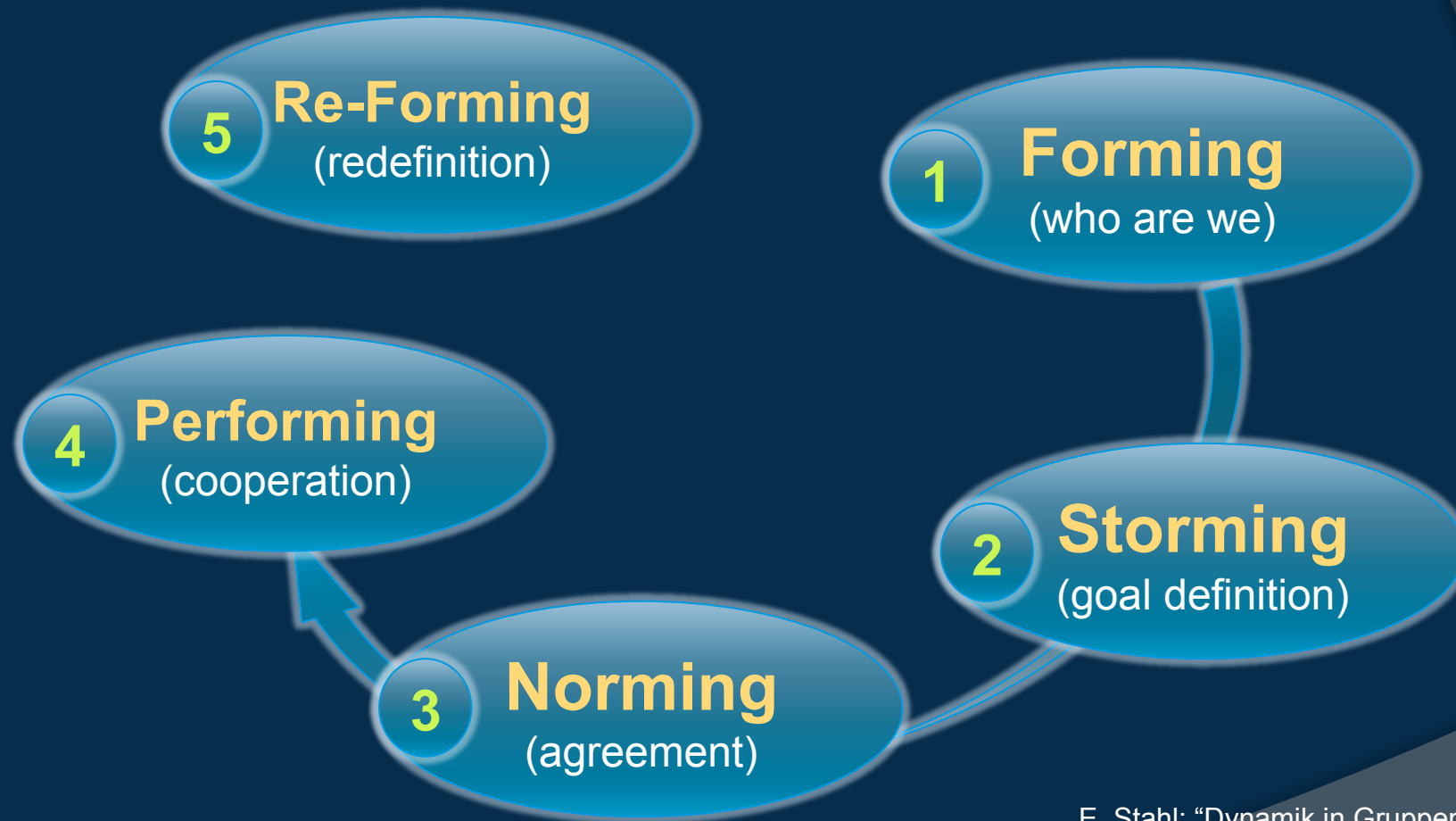
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SMBH WG MEETING

(COST MP0905 WG#4)



Group process



E. Stahl: "Dynamik in Gruppen: (2002)

Introduction

- 1st Meeting on June 25, 2010
- 2nd Meeting on November 15, 2010
- 3rd Meeting today, April 13, 2011

June 2010 Session

- 20'+20' of discussion
- FRI/II by simulated relativistic flows (Keppens 20')
- X-ray and γ -ray emission in AGN (Niedzwiecki 15')
- X-ray and γ -ray observations (Kadler 15')
- AGN studied by spectral lines (Popovic 15')
- GAIA and QSOs (Antón 15')
- SMBH vicinity with radio interferometry (Lobanov 20')
- BH catalog of the nearby universe (Caramete 15')
- BBH theory (Gergely 15')
- Modeling BBH with VLBI jet trajectories (Roland 15')

November 2010 Session

- BH mass estimates and BH demographics (Vestergaard, 15')
- The INTEGRAL Sky (Panessa, 15')
- Jet simulations (Meliani, 15')
- Dynamical inferences on SMBH from BLR spectra (La Mura, 15')
- AGN Samples, gamma & radio (Mantovani, 15')
- Star formation vs accretion in AGN (Pérez-Torres, 15')
- WG1+WG4 SMBH & pulsar timing (Verbiest, 25'+20')
- Radio-Gamma Connection, F-GAMMA (Angelakis/Fuhrmann 25')
- Discussion on magnetic fields (Alberdi, 15')
- Final Discussion

Today's session

- CTA for BH and SMBH studies (Vercellone 10')
- Swift for BH physics (Romano 10')
- Optical emission lines & X-rays (La Mura 10')
- Optical AGN monitoring (Ilic 10')
- BH mass function (Caramete 10')
- Planck SED results (Tornikoski 15')
- MOJAVE SED results (Ros 10')
- Shock-Shock interaction in CTA102 (Fromm 10')
- Growing BH through mergers (Karouzos 10')
- Pc-scale of AGN (Mezcua 10')
- IDV in 0954+658 (Marchili 10')
- Double-peaked narrow-line AGN (Gabányi 10')
- Mass ratios and final spin in mergers (Gergely 15')
- Field of clusters of galaxies (Hüdaverdi 10')

Recivistist participants

- 1st Meeting on June 25, 2010
- 2nd Meeting on November 15, 2010
- 3rd Meeting today, April 13, 2011
- People attending to all 3 meetings:
 - **Antón, Britzen, Fromm, Gabányi, Gergely, Ilic, Karouzos, Mack, Mezcua, Popovic, Ros, Romano, Vercellone**
- People attending to 2 meetings:
 - **Alberdi, Angelakis, Caramete, Fuhrmann, Mantovani, Meliani, Panessa, Papadakis, Rafanelli, Tesileanu, Zensus**

WG4 – a balance

- 9 + 9 + 14 talks in parallel sessions & several WG4-related talks in plenary sessions
- Successful STSM stays
- Topics:
 - Observations across the spectrum
 - Theory & simulations

Future work

- ⦿ More WG meetings to come:
 - 2nd period: Fall 2011, Spring 2012
 - 3rd period: Fall 2012, Spring 2013
 - 4th period: Fall 2013, Spring 2014
- ⦿ Workshops – summer school – final big conference
- ⦿ Working group: ideas for next meetings (and between them)
 - Sustainable publication (book)
 - Discussion on selected topics
 - Focus topic for plenary sessions
 - PR material

Pass the word

- Please mention our action at your home institute and in scientific meetings you attend (take some flyers with you)
- Make publicity of the STSM in your near scientific environment