

General introduction

History of sesarray software

Organisation of the course

The SESAME project

Site Effects aSsessment using
AMbient Excitations

An EC / ESD project
(May 1, 2001 – October 31, 2004)



University Bergen
Institute of Geophysics Bratislava
Resonance Geneva
LGIT Grenoble
University Liège / LIRIGM
Grenoble
University Lisboa
CNR Milano
CETE Nice
University Potsdam
INGV Roma
ITSAK Thessaloniki
ETH Zürich

<http://SESAME-FP5.obs.ujf-grenoble.fr>

Physical background + Noise simulation

Nature of noise
wavefield

2D / 3D structures

H/V technique

Experimental conditions

Data processing

Empirical assessment

Array technique

Instrumental layout

Derivation of dispersion
curves

Inversion of velocity profile

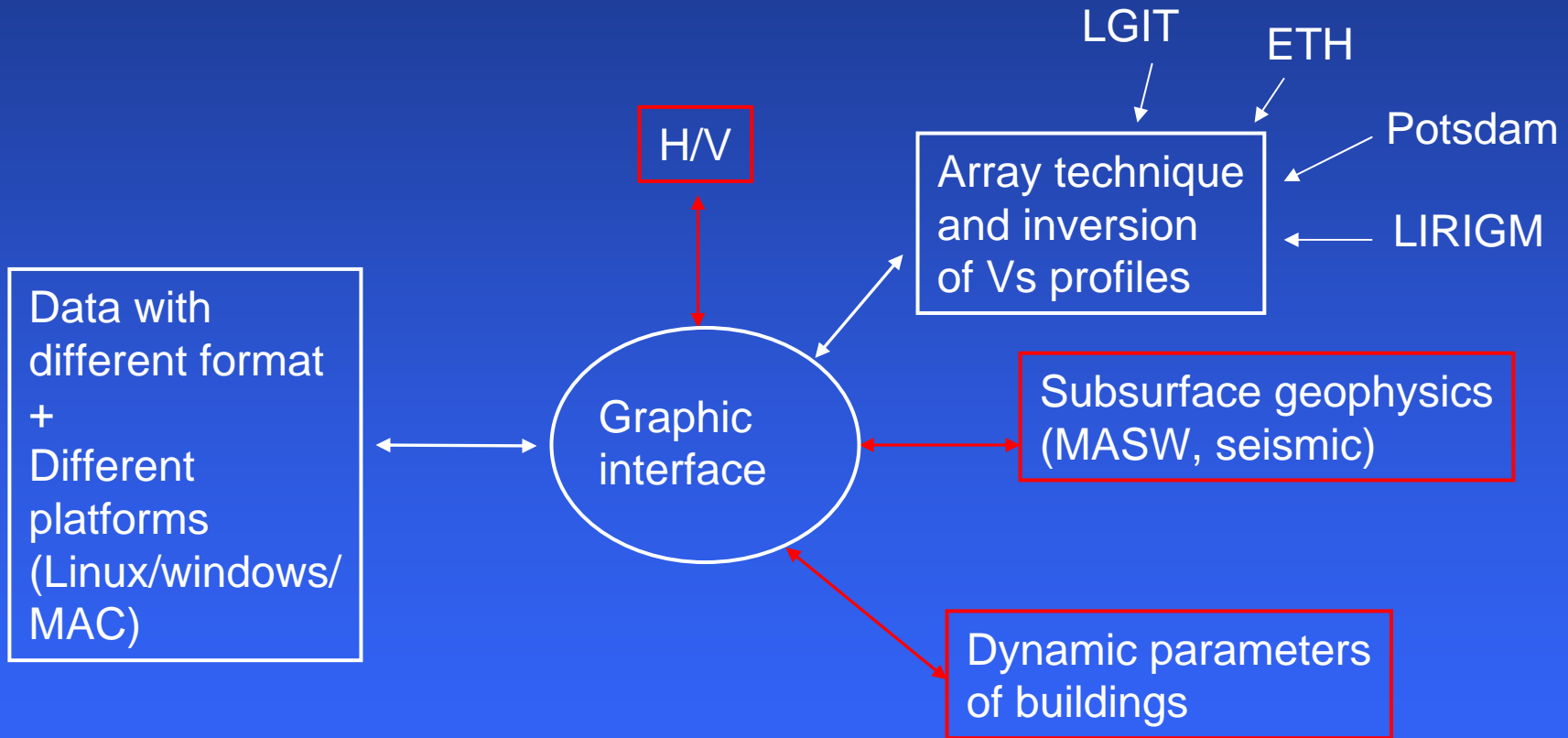
Dissemination of results

Scientific results

H/V free software + user guidelines

General software (H/V + array software)

History of the sesarray software



Contributions to the software

Fundings

- SESAME EU-project 2001-2004
- SISMOVALP EU-project 2003-2006
- Participation fees of previous courses (Grenoble 2005, Potsdam 2006)

Development/improvement of the software

- Participants from the EU projects
- Feed-back from users

Future development

- NERIES EU-project (2006-2010)

Sesarray course: who are we ?

Marc Wathelet **LGIT/IRD** **Grenoble**
main developer of SESARRAY software
inversion, geophysics, site effects

Matthias Ohrnberger **IGUP** **Potsdam**
array algorithms, seismology, site effects

Cécile Cornou **LGIT/IRD** **Grenoble**
site effects, earthquake seismology

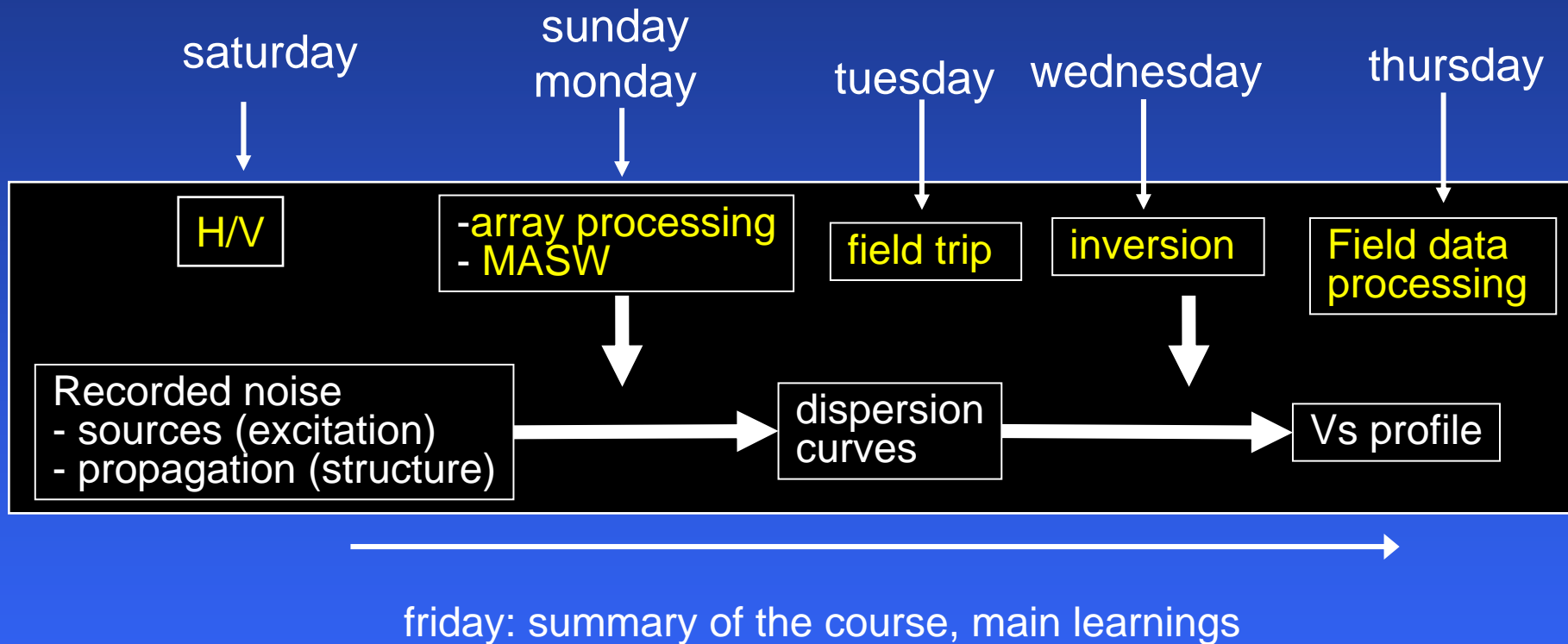
Nikos Theodulidis **ITSAK** **Thessaloniki**
earthquake seismology, site effects, ...

Alekos Savaiidis **ITSAK** **Thessaloniki**
geophysics, geomagnetics, site effects

Héloïse Cadet **ITSAK** **Thessaloniki**
site effects

Who are you ?

Organisation of the course



Organisation of the course

- Alternance of lectures and exercises
- USB key containing lectures, tutorials, data and software will be provided at the end of the course
- Workshop diner on tuesday ...