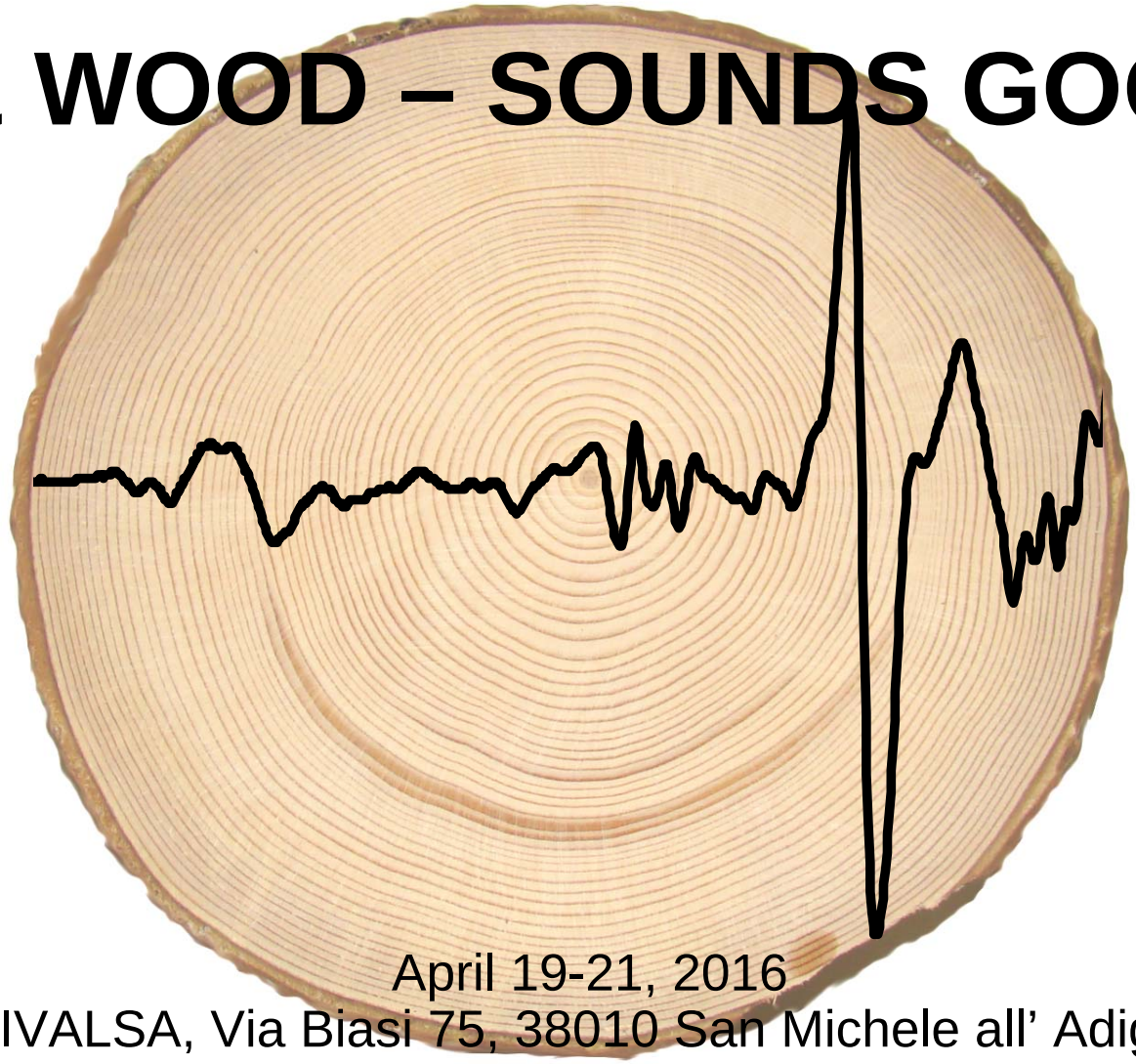
2nd Workshop on application of NIR spectroscopy for wood science and technology research

NIR & WOOD – SOUNDS GOOD! #2



April 19-21, 2016

CNR-IVALSA, Via Biasi 75, 38010 San Michele all' Adige, Italy

Federico Prandi, PhD

✡15.03.1975-☥14.04.2016

- *senior researcher in Graphitech (Trento)*
- *scientific responsible for the ongoing SLOPE project*
- *working with us until the end*

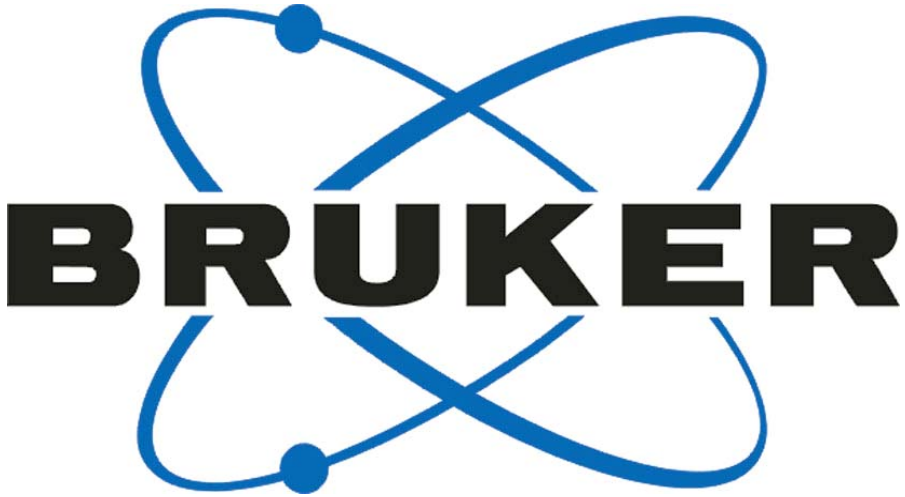
- *He will be missed by many…*

We would like to dedicate the second workshop "NIR and wood: sounds good" for the memory of Federico.

Co-organizers

COST is supported by the
EU Framework Programme
Horizon 2020

sponsors



Research projects

BIO4ever

Thanks:

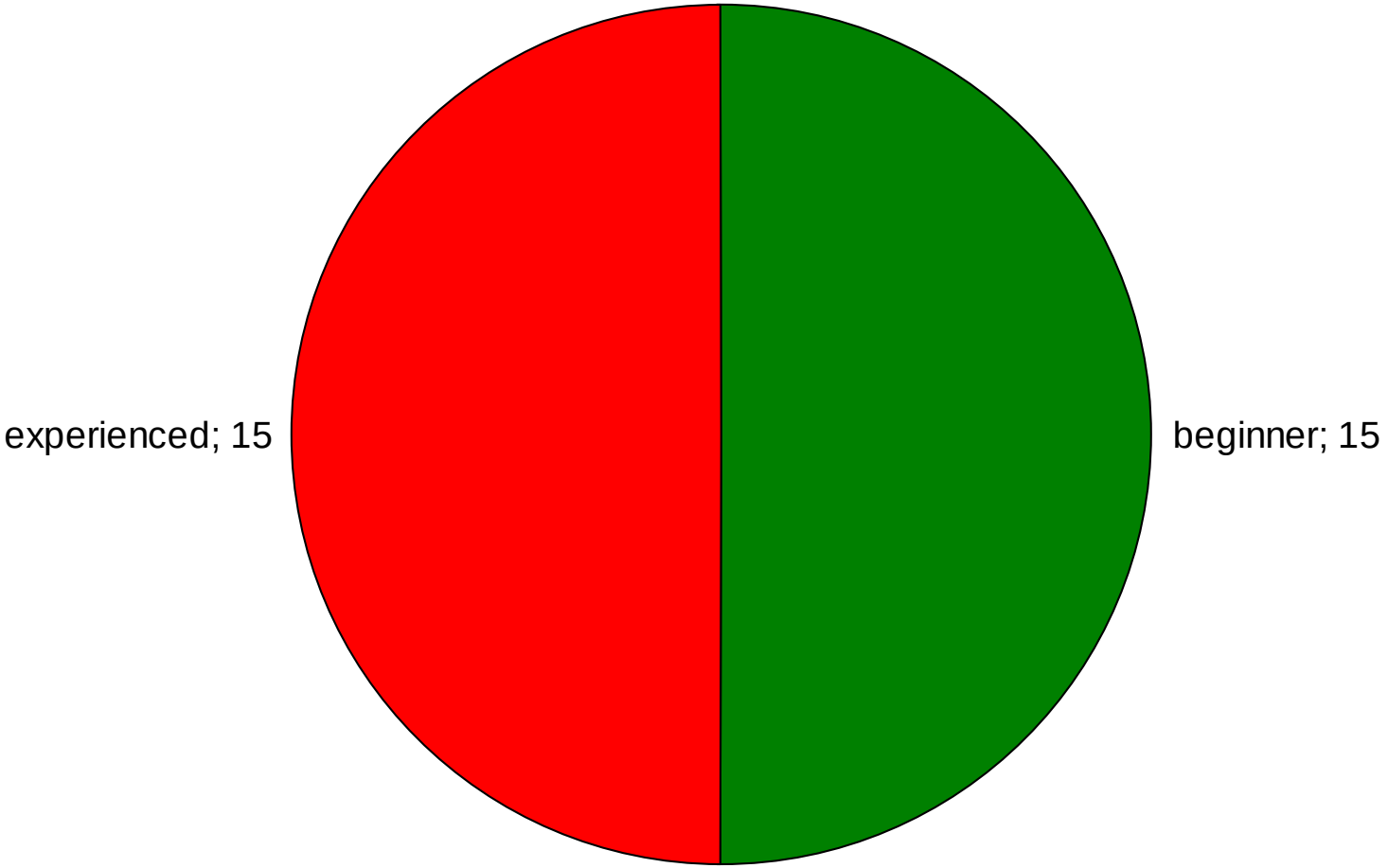
- all the **speakers and participants** for their support to this workshop
- **SISNIR**, especially Tiziana M.P. Cattaneo, Stefania Barzaghi and Roberto Giangiacomo for encouraging us to organize the 2nd NIR workshop on wood and for trust in us
- our sponsors:
    - **BRUKER Optics** (especially Paolo Belloni)
    - **VIAVI Solutions** (especially Nada O'Brien and Emiliano Genorini)
- **COST Action FP1303**, especially Denis Jones, for support in organization and providing travel grants
- **COST Action FP1407**, especially Andreja Kutnar, for support in organization, encouragement and providing travel grants
- our **colleagues** from CNR-IVALSA, who helped us to organize this event
- We are particularly grateful to our invited keynote speakers;
    - **Marina Cocchi**
    - **Cosimo d'Andrea**
    - **Paolo Belloni**
    - **Andreas Zitek**

regards

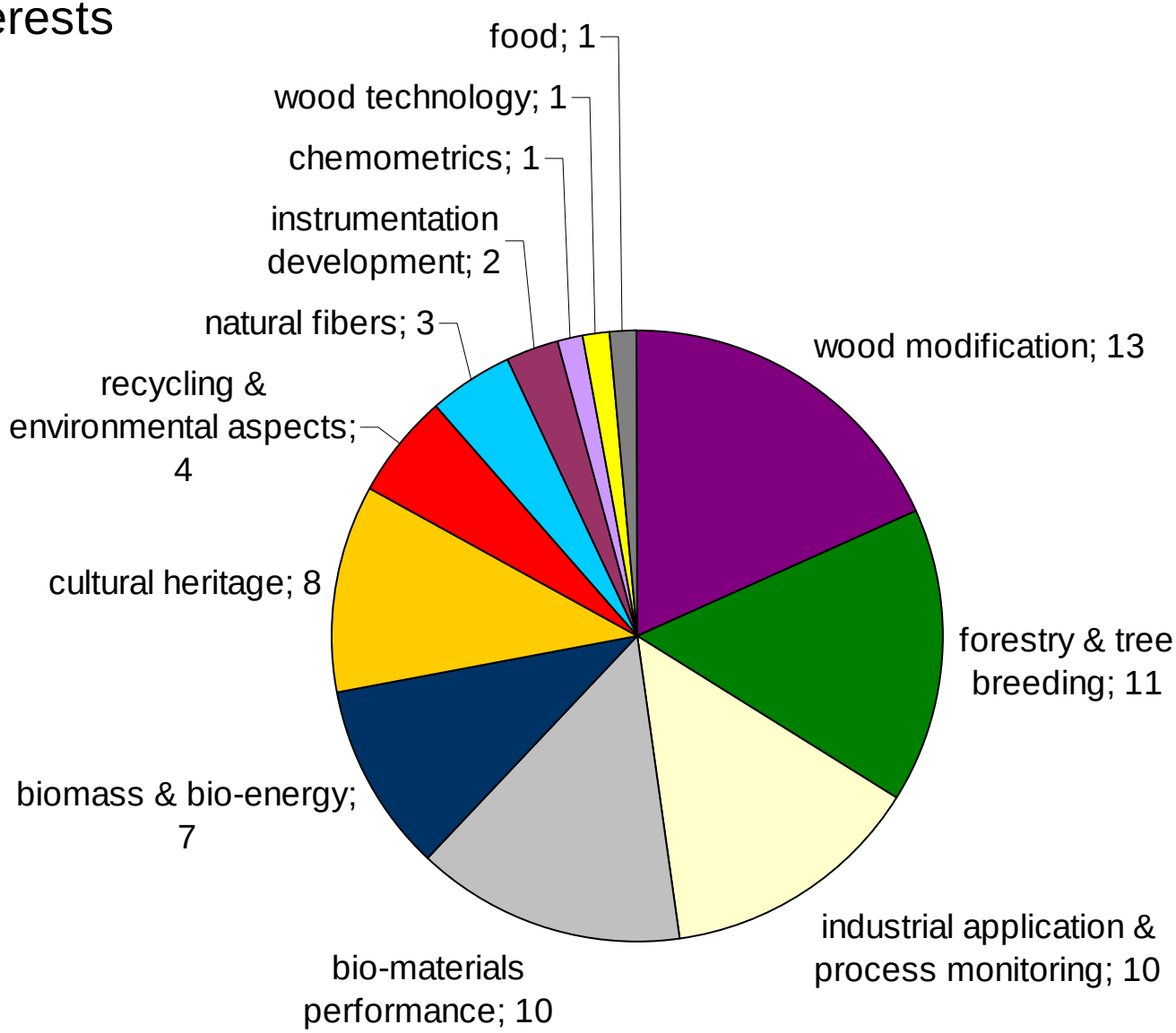
- Roger Meder
- Satoru Tsuchikawa
- Sven-Olof Lundqvist
- Maria Tereza Pastores

about us: participants

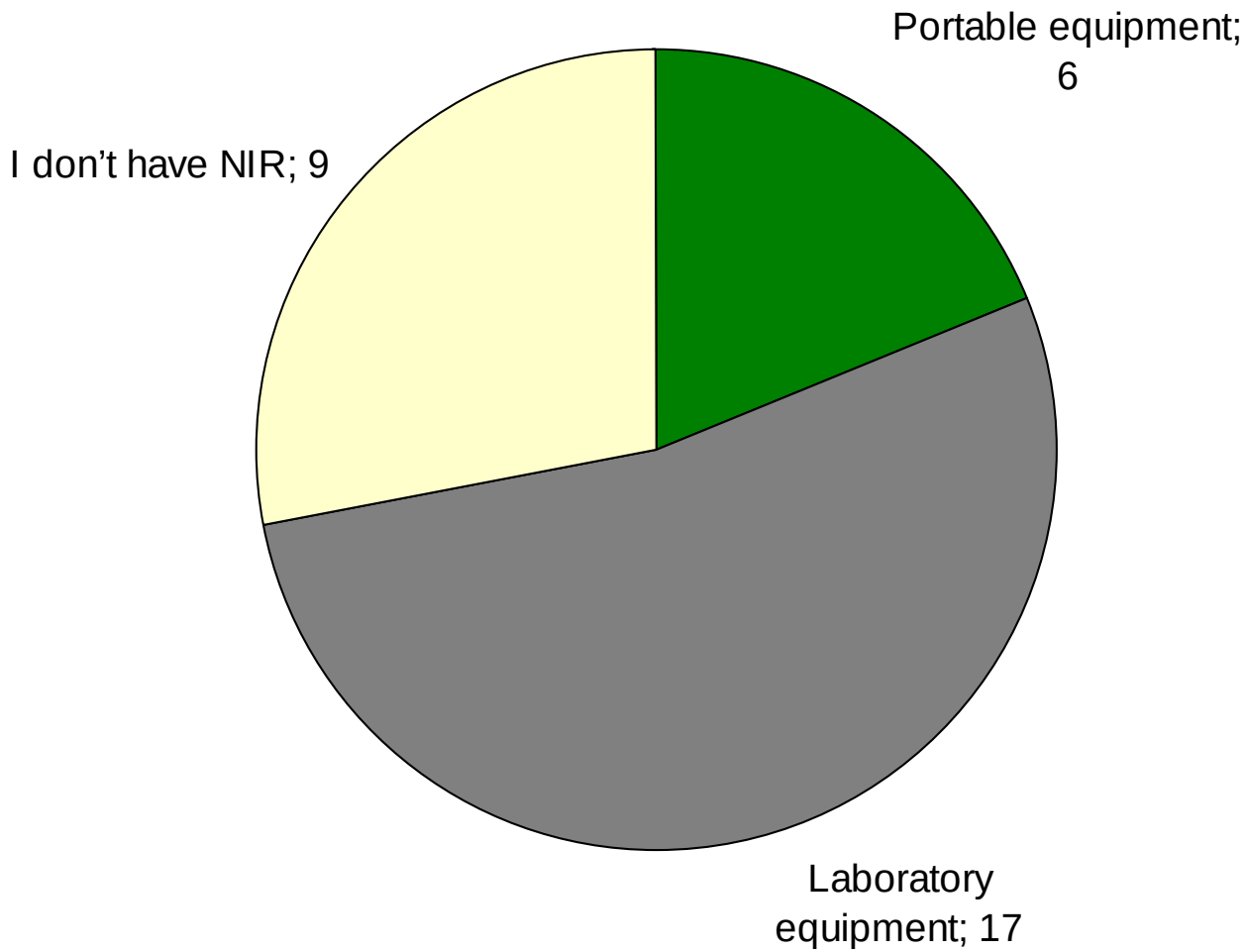
experiences with NIR



research interests



NIR equipment



equipment \ research interests	wood modification	forestry & tree breeding	industrial application & process monitoring	bio-materials performance	biomass & bio-energy	cultural heritage	recycling & environmental aspects	instrumentat development	others
portable equipment	🔴 🔴	🔴 🔴 🔴	🔴 🔴 🔴	🔴 🔴	🔴 🔴	🔴 🔴 🔴	🔴 🔴	🔴	🔴 🔴
laboratory equipment	🟢 🟢 🟢 🔴 🔴	🟢 🟢 🔴 🔴 🔴	🟢 🔴 🔴	🟢 🔴 🔴	🟢 🔴 🔴 🔴	🔴 🔴 🔴	🟢 🔴 🔴	🔴 🔴	🔴 🔴 🔴
no NIR instrument (yet)	🟢 🟢 🟢 🟢 🟢 🟢 🟢	🟢 🟢	🟢 🟢	🟢 🟢 🟢 🟢	🟢	🟢 🟢 🟢 🟢	🟢		

🟢 - begginer

🔴 - expert

Conference dinner

- Ristorante Bar Cadino, Via Brennero 7, 38010 Faedo TN

- Meeting place: hotel la Vigna 19:00

Full course 25€ (two options)

Please choose the option during first coffee break

“Land menu”

Homemade pasta with deer ragout &
small gnocchi pasta with melted butter

Pork fillet with aromatic herbs
with baked potatoes and buttered spinach

Chantilly cream

Local vine, water and coffee

“Sea menu”

Seafood spaghetti “Nostromo”

Mixed fried seafood

Chantilly cream

Local vine, water and coffee

Jakub SANDAK (Kuba)

- MSc in natural resources process engineering (Shimane University)
- PhD in agricultural sciences (Tottori University
- Carpenter from the third generation
- Researcher at CNR-IVALSA
- Husband of Anna ☺

Research with NIR:

- Characterization of bio-materials
- Process monitoring
- Wood-water relation
- Mechanical stresses
- Mechanisms of degradations/modifications
- Hyperspectral imaging

Expectations for the workshop

- networking
- inspiration from others (new appraoches, applications,
- to understand (really/fully/suraly) what i am measuring with NIR (especially scatter)
- To improve methodologies for the SLOPE project – measuring log quality in field with custom hyperspectral imaging camera + portable NIR spectrometer

Anna SANDAK (Ania)

- MSc in environmental biology
- PhD in wood science and technology
- Biologist & forester & wood scientist in one ☺
- Researcher at CNR-IVALSA
- Wife of Jakub ☺

Research with NIR:

- Characterization of bio-materials
- Mechanisms of degradations/modifications
- Process monitoring and its optimization

Other research interest:

- Modeling of performance of bio-materials for building facased
- Selection of best end of life solutions for bio-materials