

# Knowledge Transfer

**Projects by  
TC – Interdisciplinary Metrology**

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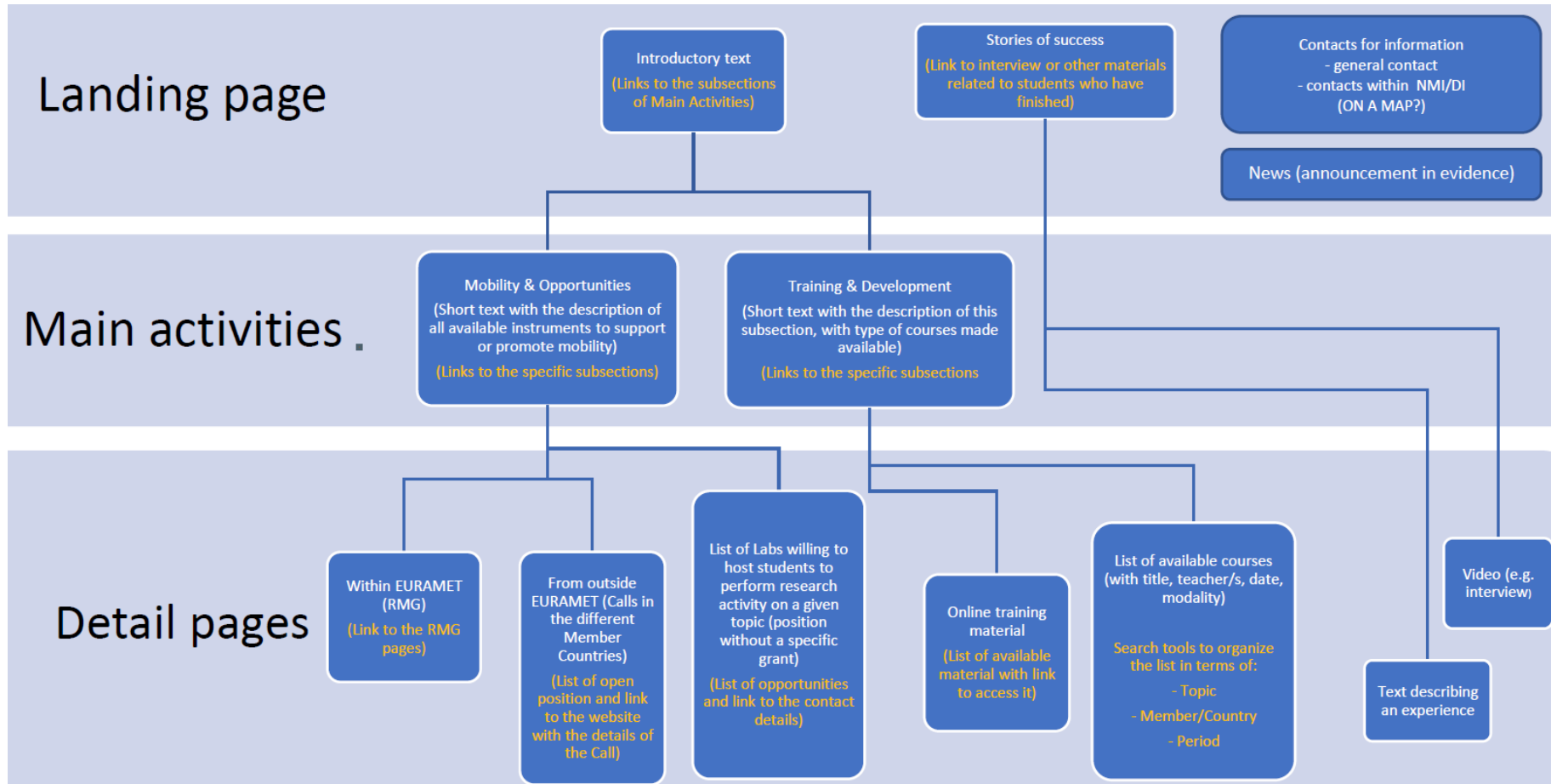
**Interdisciplinary  
Metrology**

[Project 1548](#) - Early career training and development in metrology :

- Promote collaborations among NMIs/DIs to strengthen the high-level education and training in metrology.
- Boost PhD and postgraduate activities + make them more visible and inspirational at the European level (recognized metrology curricula...),
- Complement EURAMET Capacity Building activities and influence internal and external stakeholders: NMIs, DIs, academia, industry, related ministries (education, research, industry).



# Web Page for Metrology PhD/Postgraduate Activities



## Project 1543 Calibration Guides for accredited laboratories in EURAMET member countries

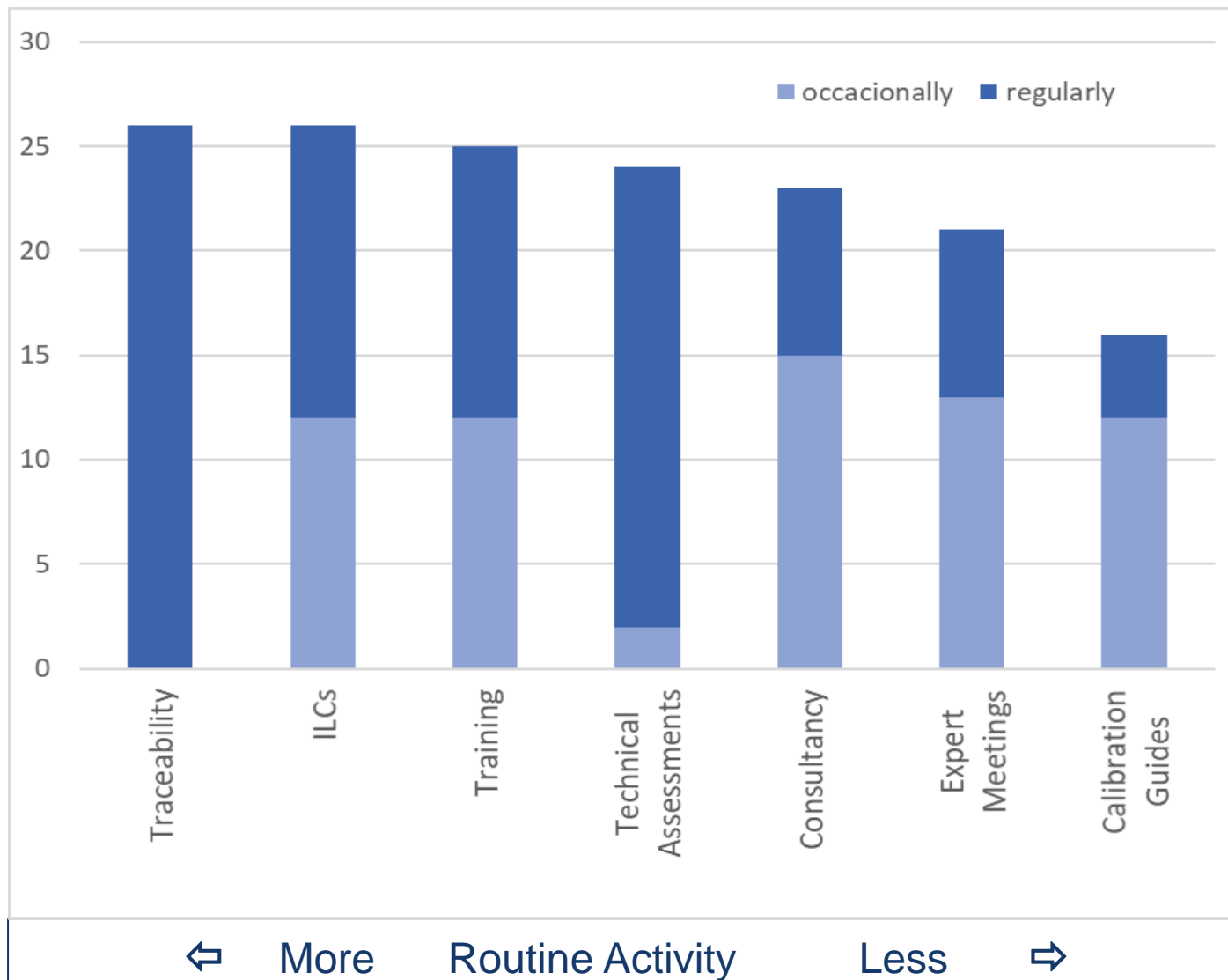
### Questionnaire to EURAMET members

- 1) Understand the mechanisms in EURAMET member countries on how the NMIs provide technical support to the accredited calibration laboratories of their countries, in particular in the development of calibration guides.
- 2) Get overview on the situation of calibration guides in EURAMET member countries: existing guides / new guides under development / need for new guides

26 countries responded (2/3 of members)



# Kind of support which the NMI/DI is giving to accredited calibration laboratories?



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# Are EURAMET calibration guides used in the country?



	Countries
Yes = 22	In most countries
No = 4	FR, HU, MK, SE

## Which Guides are used?

- Typically, all or most of the EURAMET CalGuides are listed

## By which organisation?

- Accredited Calibration Labs -> in almost all countries
- NAB in the accreditation process -> explicitly mentioned in a few cases (AT, DE, GR)
- Calibration Labs may have internal procedures based on EURAMET Guides
- NMI / DIs -> in some cases
- Industry
- Manufacturers of measuring instruments (CG 18)



## National pool of Calibration Guides existing?



Country	CZ	DE	ES	FR	UK
# Guides		30	77	40	15

**Guides typically used for the accreditation of calibration labs, if there is no national pool of guides**

Guides	Countries
EURAMET CGs	BA, BE, BG, CH, DK, EE, GR, ME, PL, RS, TR
OIML recommendations	BA, BE, DK, MK, PL
International standards (sometimes adopted)	EE, ME, PL, PT, SE
Own internal procedures	EE, HU, PL, PT
Guides from other countries (DE, US, UK, ...)	EE, ME, RS
ILAC	BG, PL
EUROLAB guides & cookbooks	CH

**EURACHEM**  
was not mentioned

# Knowledge transfer on digital transformation



**IMEKO TC6: First International Conference on Metrology and Digital Transformation**

2022-09-19 to 2022-09-20

**Metrology for Digital Transformation**

2021-09-23 to 2021-09-30

**VirtMet 2021: Workshop on digital twins and virtual measurement devices**

2021-09-21 to 2021-09-22

**Metadata for Research Data Management (RDM) and publications submission for EMPIR projects**

2021-03-11 to 2021-03-11

**Preparation and implementation of data management plans for EMPIR projects**

2021-02-15 to 2021-02-15

**TC-IM Workshop for EURAMET EMN Chairs on Digital Transformation**

2021-02-11 to 2021-02-11

**TC-IM Workshop for EURAMET TC Chairs on Digital Transformation**

2021-02-08 to 2021-02-08

**Introduction to Research Data Management**

2021-01-22 to 2021-01-22

**Kick-off TC-IM Working Group 'Metrology for Digital Transformation'**

2020-08-27 to 2020-08-27

**Workshop on Metrology for Digital Transformation in Industry and Society**

2019-10-16 to 2019-10-17



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