



## GMOS-Train – Metrology training course Programme (PART 1)

29 . – 30. September, 2022

Zoom:

<https://us02web.zoom.us/j/85702019608?pwd=bDRSa1U2eFJVVk5uUXF1VzR3eTVYUT09>

### Day 1, Thursday, 29. September, 2022

9:00 – 9:30	<b>Introduction</b> ( <i>M. Horvat</i> )
9:30 – 10:30	Basic metrology concepts, approaches, terminology ( <i>Igor Živković</i> ) Quiz – questions and answers
<i>10:30 – 11:00</i>	<i>Coffee break</i>
11:00 – 12:00	Introduction to measurement uncertainty ( <i>Igor Živković</i> )
12:00 – 13:00	Uncertainty evaluation in practise Practical example 1
<i>13:00 – 14:00</i>	<i>Lunch break</i>
14:00 - 15:00	Practical example 2
15:00- 15:30	Quiz – questions and answers

### Day 2, Friday, 30. September, 2022

9:00 – 9:45	Traceability and calibration ( <i>Igor Živković, Milena Horvat</i> )
9:45 - 10:00	Quiz - Questions and answers
10:00 – 11:00	To do and not to do – examples of good practises. ( <i>Igor Živković</i> )
<i>11:00 – 11:30</i>	<i>Coffee break</i>
11:30 – 12:00	Practical exercises for each individual ESR – assignments (e.g simple case study examples)
14:00 – 15:00	Presentation of the results for each assigned task (ESR presentations)
15:00	Conclusions and closure with instructions for Individual project in Part 2 of the training course





## GMOS-Train – Metrology training course Programme (PART 2)

Work on the individual ESR research projects. Each ESR project will be composed of 4 steps – a tier approach will be used.. Each ESR will follow the assigned work step-by-step and report to I. Živković and M. Horvat by the dates identified below. Communication will be done with each individual ESR separately with I-Živković and M. Horvat.

Stepwise approach:

1. Step 1: Definition of measurand and model for the calculation of uncertainty (*10. October, 2022*)
2. Step 2 and 3: Identification of uncertainty sources and their quantification (*7. November, 2022*)
3. Step 4: Calculation of combined uncertainty (*5. December, 2022*)
4. Final ESR reports (*22. December, 2022*) for GMOS-Train Deliverable 7.6
5. Draft joint publication (*30 January, 2023*)
6. Presentation of the individual ESR projects on uncertainty evaluation during the project meeting, February 2023. Instructions will follow.

