



EMPIR 17NRM05 Advancing measurement uncertainty  
 – comprehensive examples for key international standards (EMUE)

Preliminary agenda

**Training course on measurement uncertainty evaluation  
 for the Western Balkan Countries**

Sarajevo, Bosnia and Herzegovina  
 Hotel Hills, Butmirska cesta 18, Ilidža 71210  
 12, 13 October 2020

- Target group: Western Balkan national metrology institutes, national accreditation bodies, technical auditors and industry stakeholders
- Number of participants: 25 – 30
- Expected expertise level: Medium
- Expected outcome: Knowledge of uncertainty evaluation methods appropriate to various metrology disciplines

Day 1		
Half day	(Proposed lecturers from NPL, PTB, VSL) Measurement uncertainty evaluation (general, principles, GUM and GUM Supplements scope of EMUE project): <ul style="list-style-type: none"> <li>• Law of propagation of uncertainty and coverage interval</li> <li>• Monte Carlo method</li> <li>• Bayesian method</li> </ul>	
	Parallel sessions	
Half day	Measurement uncertainty evaluation with emphasis on measurement of <b>physical quantities</b> (lecturers from IMBiH, IPQ, NPL, PTB)  Examples developed within the EMUE project will be presented to participants, explained step-by-step and followed by a discussion session	Measurement uncertainty evaluation with emphasis on measurement of <b>chemical quantities</b> (lecturers from VSL, LGC)  Examples developed within the EMUE project will be presented to participants, explained step-by-step and followed by a discussion session



Day 2	
Half day	Measurement uncertainty evaluation – practical problems Participants present their examples, followed by discussion
Half day	Measurement uncertainty evaluation: <ul style="list-style-type: none"><li>• Conformity assessment</li><li>• Software</li></ul> Examples developed within the EMUE project will be presented to participants, explained step-by-step and followed by discussion  Proposed lecturers: LNE, INRIM, UKAS

**Proposed dates** for future steps:

- Invitation letter to EMUE project partners, Western Balkan NMIs and accreditation bodies: 15 March 2020
- Registration 15 April – 1 August 2020