Exercise promoted by the ChEESE Project (https://cheese-coe.eu/) to show the potentiality of Urgent Computing for Rapid Post Event Assessment: the 2020 Mw 7 Samos earthquake With the participation of the NEAMTWS Tsunami Service Providers NOA, KOERI, CAT-INGV; the ARISTOTLE Tsunami Hazard Group; National and European Civil Protection representatives; EPOS representatives	
9:00	Introduction 1) Welcome and Exercise agenda (INGV) 2) The ChEESE project (BSC) 3) The ChEESE PD8, Probabilistic Tsunami Forecasting (PTF) for early warning and rapid post event assessment (INGV) 4) HPC resources (CINECA)
9:30	Simulation of the 2020 Samos Event:  1) Earthquake detected (9:33) 2) Alarm sounds - First Earthquake parameters available (9:33-9:35) - all procedures start:  a) Tsunami Alert produced with Decision Matrix (DM) by NOA, KOERI, and CAT-INGV  b) PTF in Early Warning mode (based on pre-calculated scenarios) c) PTF in Urgent Computing Mode: submission of massive simulations to the Marconi100 supercomputer @CINECA
9:45	Tsunami Warning Messages by NEAMTWS TSPs (CAT-INGV, NOA, KOERI), based on DM, short presentations by  1) NOA (upgraded operations: updated DM, enhanced mapping product, use of Mw, national messages)  2) KOERI (enhanced products, potential use of numerical simulations)  3) INGV (DM and preliminary enhanced products)
10:15	Tsunami description (NOA, KOERI/GTU): Marigrams, Ongoing Messages, eyewitness and footages during the tsunami
10:35	PTF Results - comparison with DM and data (INGV)  1) Early warning mode  2) Urgent Computing mode  3) Role of the thresholds / conservatism  4) Comparison of the different forecasts (DM, single simulations, PTF ensemble in early warning and in urgent computing mode) with observations, including run-ups
11:05	Discussion (Chair NOA)
11:45	Added Value by Urgent Computing to ARISTOTLE Emergency Reporting (ARISTOTLE Tsunami Hazard Group deputy chair)
12:10	Other applications and Future developments:  1) Towards HPC-based Early Warning in Spanish National Warning Centre - ChEESE PD2 (UMA)  2) Earthquake-tsunami coupled simulation - ChEESE PD4 (LMU/TUM)  3) ChEESE Workflow management system (HLRS)  4) ChEESE PD7 (NGI)

13:20

Closing remarks - End of the exercise