

Agenda

Monday, 25th September

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| 9.00-9.15 | 1 | Sustainability Development Goals (SDGs) and Early Warning | Presentation |
| 9.15-9.45 | 2 | Early Warning System: Modular Concept: Safe dam operation, Resilient energy system/civil protection | Presentation |
| 9.45-10.15 | 3 | Discussion: On the way to an integrated (monitoring and early warning) system for research and agency | |
| Coffee break | | | |
| 10.45-11.45 | 4 | AI-assisted correlation analysis, dam deformation, and first results | Presentation |
| 11.45-12.45 | 5 | Discussion I: <ul style="list-style-type: none">• New possibilities and critique (e.g. sufficient measurement data – type and amount)• Neural networks and models | |
| Lunch break | | | |
| 14.30-15.30 | 6 | Discussion II: <ul style="list-style-type: none">• New possibilities and critique (e.g. sufficient measurement data – type and amount)• Neural networks and models | |

Tuesday, 26th September

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| 9.00-11.00 | 7 | Early Warning System – a first scientific demonstrator I: Design & functionalities – dam deformation forecast for risk analysis (focus on precipitation) | Presentation, demonstration |
| Coffee break | | | |
| 11.30-12.30 | 8 | Discussion/Questions: Missing topics <ul style="list-style-type: none">• Integrating dam fragility models (e.g. based on FE-method) for robust risk forecasting• Generation of synthetic data (e.g. extreme and rare events) | |
| Lunch break | | | |
| 14.00-15.00 | 9 | Early Warning System – a first scientific demonstrator II: Design & functionalities – how to work with it in research? | Presentation, demonstration |
| Coffee break | | | |
| 15.15-16.00 | 10 | Discussion III: <ul style="list-style-type: none">• Data organization• Applying modularity for integrating improved or new functionalities | |

Wednesday, 27th September

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| 9.00-10.00 | 11 | Early Warning System – a first scientific demonstrator III: Further development and future collaboration | Presentation |
| Coffee break | | | |
| 10.15-11.00 | 12 | Final discussion/questions and next steps: <ul style="list-style-type: none">• Integrating dam operation and its impact on the energy system• Integrating civil protection | |
| End of workshop | | | |