Name SURNAME: Riitta L. Keiski			
Function:	Professor, Dean of the Faculty of Technology		
Institution:	University of Oulu (UOULU)		
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Division	**Environmental and Chemical Engineering (ECE)**		

Areas of Expertise:

D.Sci (Eng.) Riitta L. Keiski, Professor in Chemical engineering, Dean of the Faculty of Technology at the University of Oulu has a long experience in catalysis, sustainability assessment, nanomaterials, separation processes and reactor design. She is Adjunct professor in Chemical process engineering, in Heterogeneous catalysis and environmental engineering; Dr. Honoris Causa at Corvinus University of Budapest and at National University of Engineering in Lima; Director of the Sustainable production and Cleantech innovations RC and the PhD Education KAVA project 'Advanced Materials Doctoral Programme - ADMA-DP' for Doctoral Education coordinated by the University of Oulu. Prof. Keiski has supervised 24 doctoral theses, supervises 25 doctoral students, has 215 publications, 400 other scientific contributions. She has coordinated tens of research projects, has had several national and international academic responsibilities, e.g. in being board member of Academic Institutions and funding organizations, evaluating research institutes, proposals, academic professionals. Presently she is the Board member of the Academy of Finland and the becoming (07.2017 and onwards) President of NORDTEK, the Network of the Rectors and Deans of the Technical Universities in the five Nordic countries.

Short Description of your Institution:

University of Oulu is an international science university of ten faculties and specialized research units creating the foundation for the multiscientific research, innovations and training of experts for demanding professional tasks. UOULU conducts high level research and contributes to solving global challenges in the following five focus areas 1) Creating sustainability through materials and systems, 2) Molecular and environmental basis for lifelong health, 3) Digital solutions in sensing and interactions, 4) Earth and near-space system and environmental change, and 5) Understanding humans in change.

The Environmental and Chemical Engineering (ECE) research unit provides new scientific knowledge for the development and design of environmentally benign and sustainable materials, unit operations and production processes. ECE has strong theoretical and experimental knowhow on catalysis, adsorption materials and membrane technologies for industrial wastewater purification, catalytic technologies for air and water purification (NOx, SOx, VOCs), CO_2 utilization, hybrid methods for heavy metals and nutrients removal, and surface fouling prevention, systematic experimental design, CFD and DEM modelling, as well as development and use of a sustainability assessment tool for early stage unit operations and process design purposes.

Role in the project:

Principal investigator and responsible leader of the University of Oulu.

WP3 Leader. Arsenic removal technology and innovation. **WP6 Leader.** Outreach and exploitation. **WP1 Participation.** Arsenic concentrations in water, soil and crops in Europe.