

# THE FUTURE OF EDUCATION AND SKILLS IN THE RAW MATERIALS SECTOR

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CONVENER: LAURA QUIJANO | CO-CONVENERS: MANUEL REGUEIRO,  
SLAVKO ŠOLAR, KRISHNAN SUBRAMANI

MONDAY, 26 APRIL, 16:00 – 17:00 (CEST)

## AGENDA

**16:00 – 16:05H : MANUEL REGUEIRO**

WELCOME AND PRESENTATION OF THE SPEAKERS

**16:05 – 16:15H : JOHN LUDDEN**

CO-PRESENTER – ANNA CLARK

TRENDS AND OPPORTUNITIES IN TRAINING IN THE GEOSCIENCE SECTOR

**16:15 – 16:25H : AURELA SHTIZA**

THE MINERALS SECTOR PERSPECTIVE IN EDUCATION AND TRAINING

**16:25 – 16:35H : DAMARIS FERNANDEZ**

PROFESSIONALS FOR A RESOURCE EFFICIENT, ENVIRONMENTALLY  
FRIENDLY AND SOCIALLY INTEGRATED WORLD

**16:35 – 16:45H : MANUEL REGUEIRO**

INTERMIN A GLOBAL NETWORK OF RAW MATERIALS TRAINING CENTERS

**16:45 – 17:00H Q&A FROM THE AUDIENCE**



## THE SPEAKERS

**JOHN LUDDEN CBE,  
PROFESSOR OF ENVIRONMENTAL GOVERNANCE & DIPLOMACY,  
HERIOT-WATT UNIVERSITY, SCOTLAND**



JOHN LUDDEN IS PROFESSOR OF ENVIRONMENTAL GOVERNANCE AND DIPLOMACY, IN THE LYELL CENTRE AT HERIOT-WATT UNIVERSITY, SCOTLAND. HE TOOK ON THIS ROLE FOLLOWING THIRTEEN YEARS AS EXECUTIVE DIRECTOR OF THE BRITISH GEOLOGICAL SURVEY. HE HAS HELD LEADING PROFESSIONAL ROLES IN THE UK, FRANCE AND CANADA IN THE EARTH AND ENVIRONMENTAL SECTOR WITH A FOCUS ON RESOURCE DEVELOPMENT. HE SEEKS TO ENGENDER A CULTURAL SHIFT TOWARDS A MORE SOLUTIONS-BASED APPROACH AT THE INTERFACE OF ENVIRONMENTAL, ENGINEERING AND SOCIAL SCIENCE THAT RESPONDS TO URGENT GLOBAL PROBLEMS. HE IS PRESIDENT OF THE INTERNATIONAL UNION OF GEOLOGICAL SCIENCES IUGS, FELLOW OF THE ROYAL SOCIETY OF EDINBURGH (FRSE), FOREIGN MEMBER OF THE RUSSIAN ACADEMY OF SCIENCES (RAS) AND PAST PRESIDENT OF EUROGEOSURVEYS (EGS) AND THE EUROPEAN GEOSCIENCES UNION (EGU).



**AURELA SHITZA,  
DIRECTOR-INDUSTRIAL AFFAIRS & RAW MATERIALS,  
IMA-EUROPE**

AURELA SHITZA HOLDS AN ENGINEERING DEGREE FROM POLYTECHNIC UNIVERSITY OF TIRANA (ALBANIA) AND A PHD IN GEOLOGY FROM THE KATHOLIEKE UNIVERSITEIT OF LEUVEN (BELGIUM). AFTER WORKING FOR ARCADIS AND GLENCORE IN REGULATORY AFFAIRS & SUSTAINABILITY, SHE JOINED IMA-EUROPE (INDUSTRIAL MINERALS ASSOCIATION EUROPE) IN 2011 WHERE SHE HOLDS THE POSITION OF DIRECTOR-INDUSTRIAL AFFAIRS & RAW MATERIALS. SHE IS THE GENERAL SECRETARY OF THE EUROPEAN SPECIALTY MINERALS (ESMA). SHE OVERSEES POLICY AND TRADE DEVELOPMENTS AND PREPARATION OF THE ADVOCACY FOR IMA-EUROPE. ON BEHALF OF INDUSTRIAL MINERALS, SHE IS THE VICE-PRESIDENT IN THE BOARD OF SPIRE PPP (SUSTAINABLE PROCESSING INDUSTRIES FOR RESOURCE & ENERGY EFFICIENCY PUBLIC PRIVATE PARTNERSHIP) AND SHERPA IN EUROPEAN INNOVATION PARTNERSHIP IN RAW MATERIALS (EIP-RM).

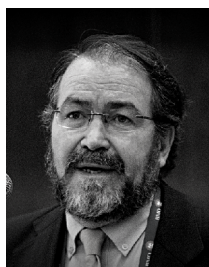


## THE SPEAKERS

### **DÁMARIS FERNANDEZ, KNOWLEDGE TRIANGLE INTEGRATION & PROGRAMME COORDINATOR, TRINITY COLLEGE DUBLIN**



DÁMARIS FERNANDEZ WORKS IN THE SCHOOL OF CHEMISTRY AT TRINITY COLLEGE DUBLIN. SHE DOES AND PROMOTES RESEARCH IN TECHNOLOGICAL AND SOCIO-TECHNICAL AREAS, TO BRING ABOUT SOLUTIONS AIMED AT MORE SUSTAINABLE USE OF MINERAL RESOURCES. HER ACTIVITIES IN TCD HAVE INCLUDED DESIGNING AND IMPLEMENTING STRATEGIES FOR INTEGRATION OF THE KNOWLEDGE TRIANGLE, INCLUDING UPSCALING TECHNOLOGIES, INTERNATIONALIZATION AND RESEARCH-DRIVEN INDUSTRY-INSPIRED AND SOCIALLY INTEGRATED POSTGRADUATE EDUCATION. BETWEEN 2012 AND 2014 SHE LED THE IRISH RAW MATERIALS STRATEGY, WHICH CONTRIBUTED TO THE INTEGRATION OF IRISH INSTITUTIONS IN SEVERAL KEY RAW MATERIALS ACTIVITIES THROUGHOUT EUROPE AND LATIN AMERICA, SUCH AS THE EIP RAW MATERIALS, EIT RAW MATERIALS KIC AND ERA MIN. SHE IS CURRENTLY A MEMBER OF THE EXECUTIVE COMMITTEE OF THE EUROPEAN TECHNOLOGY PLATFORM IN SUSTAINABLE MINERAL RESOURCES AND COLLABORATES WITH JRC AND EIT CLIMATE ON THE APPLICATION OF VISUAL METHODS FOR THE DEVELOPMENT OF SOCIO-TECHNICAL SOLUTIONS TO CHALLENGES RELATED TO REGIONAL DEVELOPMENT, CIRCULAR ECONOMY AND SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES.



### **MANUEL REGUEIRO, THE INTERMIN PROJECT COORDINATOR**

PROFESSOR MANUEL REGUEIRO IS THE INTERMIN PROJECT COORDINATOR AND CHIEF OF EXTERNAL AFFAIRS OF THE GEOLOGICAL SURVEY OF SPAIN (IGME) SINCE 2005. ALTHOUGH HE HAS BEEN WORKING (AND STILL WORKS) THE LAST 25 YEARS AS A SPECIALIST ON INDUSTRIAL MINERALS AND ROCKS. HE HAS ALSO BEEN 1973-1993 ASSOCIATED PROFESSOR OF THE DEPARTMENT OF CRYSTALLOGRAPHY AND MINERALOGY OF THE FACULTY OF GEOLOGY OF THE COMPLUTENSE UNIVERSITY OF MADRID. AS A RESEARCHER IN THE IGME AND THE DEPARTMENT OF CRYSTALLOGRAPHY AND MINERALOGY, HE HAS PARTICIPATED IN OVER 30 NATIONAL AND INTERNATIONAL RESEARCH PROJECTS. MANUEL HAS REPRESENTED IGME OFFICIALLY IN EUROGEOSURVEYS FROM 1984 UNTIL 2021. HE HAS BEEN THE PRESIDENT OF THE EUROPEAN FEDERATION OF GEOLOGISTS AN ORGANIZATION WHERE HE SERVED AS PRESIDENT FOR TWO MANDATES AND IS CURRENTLY PRESIDENT OF THE SPANISH ASSOCIATION OF PROFESSIONAL GEOLOGISTS (ICOG) AND WAS FOUNDING MEMBER AND FORMER SECRETARY OF THE NGO WORLD GEOLOGISTS.



# INTERMIN

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