

ALMERA Rapid Assessment Methods for Environmental Radioactivity

May 4-15, 2015

Hosted By: International Programs Section
Argonne National Laboratory
international.anl.gov





THE PURPOSE

Training

ALMERA

Analytical Laboratories for the Measurement of Environmental Radioactivity

USES

- Enhancing ALMERA network laboratories' analytical capabilities supporting the assessment of environmental contamination in emergency situations
- Provide intensive training on relevant topics, such as: field detection and sampling, data evaluation and management, and does assessment codes.



Training at Argonne National Laboratory (2015)
Photo Credit: Gyula Kis-Benedek, IAEA

THE COURSE

Welcome to Argonne National Laboratory

Introduction
to Argonne



Safety at
Argonne



The Lecturers and Staff

Course Leaders: Mary Picel, Argonne National Laboratory

Program Manager: Sunaree Hamilton, Ph.D., Argonne National Laboratory



Jorge Alvarado



Gyula Kis-Benedek



Dave LePoire



Frank (Eugene) Moore



George Mosho



Iolanda Osvath



Kurt Picel



Vivian Sullivan



Anil Thakkar



Charley Yu



Mary Picel, Argonne National Laboratory

Course
Leader



Jorge Alvarado, Argonne National Laboratory

Lab
Exercises



Gyula Kis-Benedek, International Atomic Energy Agency

ALMERA Rapid
Assessment
Procedures and
Development

Laboratory Exercises

Laboratory Results,
Measurement
Uncertainty, and
Detection Limit

Introduction to In-
situ Gamma
Spectrometry



David LePoire, Argonne National Laboratory

Dose
Assessment –
RESRAD
workshop



Frank (Eugene) Moore, Argonne National Laboratory

Update on DOE
Response to
Fukushima
Event

Analysis of
Complex
Gamma



George Mosho, Argonne National Laboratory

Field
Methods



Iolanda Osvath, International Atomic Energy Agency

ALMERA
Coordinator/Scientific
Secretary of the
Meeting



Kurt Picel, Argonne National Laboratory

Laboratory
Exercises



Vivian Sullivan, Argonne National Laboratory

Analysis of
Complex
Gamma Spectra



Anil Thakkar, Argonne National Laboratory

Lab
Exercises

Introduction
to Eichrom
Resins



Charley Yu, Argonne National Laboratory

Dose
Assessment –
RESRAD
workshop



THE PARTICIPANTS



Sandra
Regina
Damatto
Brazil





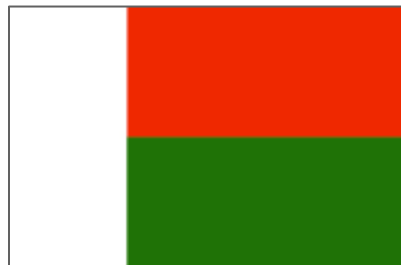
Eva Kabai Germany





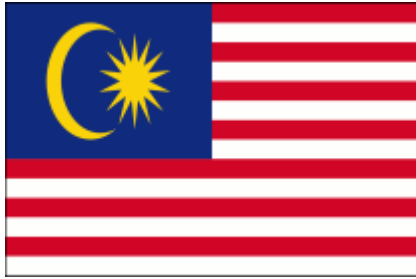
Sajedah
Alameer
Jordan





Asivelo
Fanantenansoa
Solonjara
Madagascar





Mei-Woo Yii Malaysia





Eduardo
Galicia
Jiménez
Mexico



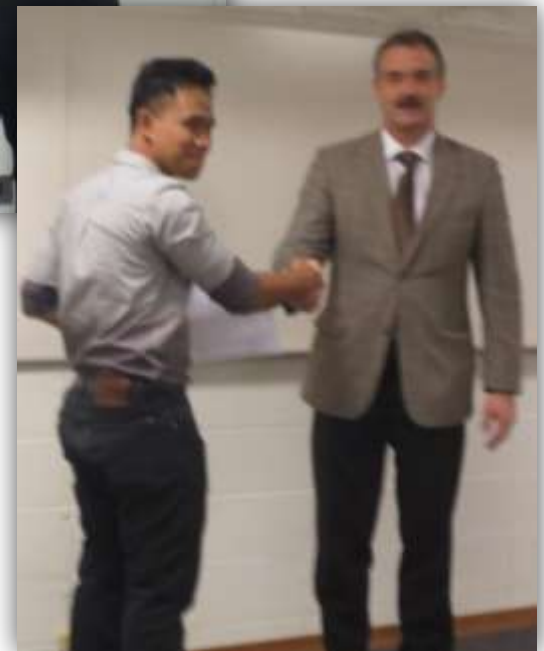


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Kazakhstan





Junghyup Lee Republic of Korea





IAEA - Argonne

Rapid Assessment Methods for Environmental Radioactivity



<http://www.facebook.com/IPSection>

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Read IAEA's article about last year's course [here](#).

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IAEA and Argonne National Laboratory Train Scientists on State-of-the-Art Methods for Rapid Environmental Radioactivity Assessment

Isabinda Coueth and Auralien Fitou, IAEA Department of Nuclear Sciences and Applications

20
March 2014



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Related Resources

- [ALMERA Network](#)
- [IAEA Department of Nuclear Sciences and Applications](#)
- [IAEA Environment Laboratories](#)

Scientists representing laboratories in 21 countries learned state-of-the-art methods for precise and quick assessment of radionuclides in the environment at a training course on rapid assessment methods for environmental radioactivity, held between 10 and 21 March 2014 at the Argonne National Laboratory (ANL) in the US. (Photo: I. Coueth/IAEA)

For two weeks in March, 24 scientists representing laboratories in 21 countries learned state-of-the-art methods for precise and quick assessment of radionuclides in the environment. The venue was a training course on rapid assessment methods for environmental radioactivity, held between 10 and 21 March 2014 at the Argonne National Laboratory (ANL) in the US. It was organized by the Environment Laboratories Division in the IAEA Department of Nuclear Sciences and Applications in cooperation with the ANL to particularly benefit scientists working in laboratories belonging to the ALMERA network.

ALMERA is the acronym for Analytical Laboratories for the Measurement of

<https://www.iaea.org/newscenter/news/iaea-and-argonne-national-laboratory-train-scientists-state-art-methods-rapid>



THANK YOU