

ANDES Semester meeting

A. Borschette Conference Centre (CCAB)

Brussels, 18 November, 2011

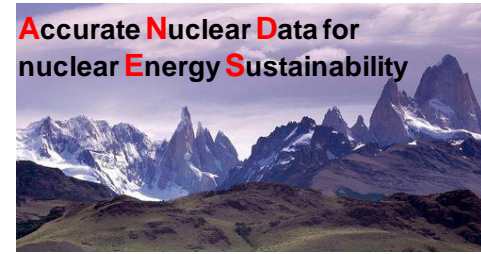
Draft agenda:

- 9:00: Welcome and adoption of the agenda
- 9:15: General status of the ANDES project
- 9:45: Information from the European Commission
- 10:15: Status of WP1
- 11:15 --- Break ---
- 11:45: Status of WP2
- 12:30: Status of WP3
- 13:15 --- Lunch ---
- 14:30: Status of WP4
- 15:15: Status of WP5 & 6
- 15:45: How-to for the Project reporting for the first 18 months
 - Form C
 - Project Activity and Management Reports
 - Deliverables, Milestones, Publications
- 16:45 A.O.B.
- Closing 17:00

E. González (CIEMAT)

General Status of the project

Accurate Nuclear Data for
nuclear Energy Sustainability



- I) Continued good progress in the experimental activities
- II) Better understanding of the reporting process
- III) Submission of the first deliverables
- IV) IAEA integration: formal request to join the End-Users Group
- V) Some better registering on the ANDES-WEB
- VI) Amendment to the contract following the model suggested by the EU
- VII) Preparation of EXTEND 2012
- VIII) Preparation of the 18 month reports (Absolute final date Dec. 30th 2011)
 - i. Needs to complete pending deliverables (before December 11th 2011)
 - ii. Needs to complete validation of milestones and justification of deviations
 - iii. Needs to compile publications and presentations (use ANDES web or e-mail)
 - iv. Forms C and activities reports from partners
- IX) Some efforts to complete reporting closer to scheduled time
- X) FP 2012-2013 (FP7+2)

Gant diagram

Year
Quarter

WP1 Measurements for advanced reactor systems

- T1.1 High accuracy measurements of neutron inelastic scattering cross sections.
- T1.2 High accuracy measurements of neutron capture cross sections.
- T1.3 High accuracy measurements for fission.
- T1.4 High accuracy fission product decay data measurements for reactor kinetics and decay heat calculations.

WP2 Uncertainties and covariances of nuclear data

- T2.1 Scientific coordination
- T2.2 Covariance tool development
- T2.3 Covariance data evaluation
- T2.4 Covariances for activation, radioactive decay and fission yields
- T2.5 Application of the previous methodologies to representative advanced nuclear systems

WP3 Integral experiments for validation of nuclear data and constraints on uncertainties

- T3.1 Scientific coordination
- T3.2 Definition of a common validation process for the ND based on Integral experiments analysis
- T3.3 Analysis with the previous defined process of Integral Experiments
- T3.4 Determination of the nuclear data trends

WP4 High energy model validation in the 150-600 MeV domain

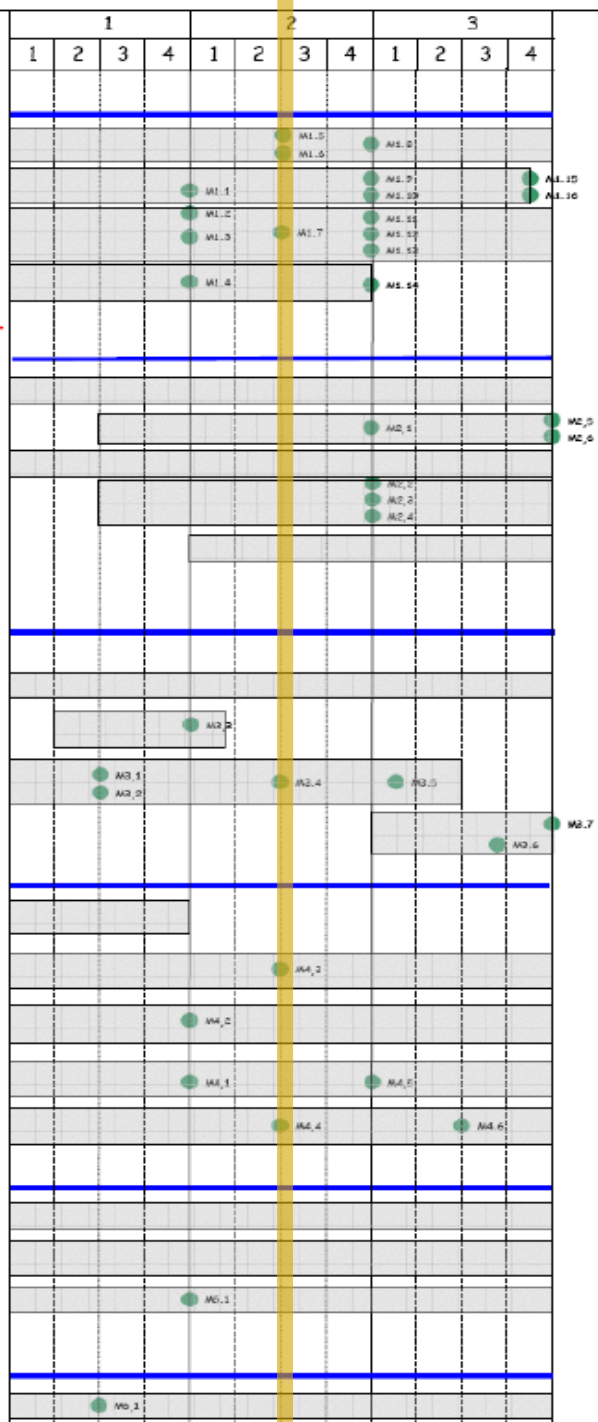
- T4.1 State-of-the-art of the model predicting capabilities in the 150-600 MeV domain
- T4.2 SPALADIN p-Pb at 500 MeV: measurement of the fission fragments and evaporation residues in coincidence with light ions
- T4.3 Measurement of neutron-induced light ion cross-sections at 175 MeV on Fe, Bi and U
- T4.4 Improving of the predicting capabilities of the models in the 150-600 MeV
- T4.5 Validation on the results from the PIE analysis of MEGAPIE samples

WP5 Dissemination, education & training

- T5.1 Coordination of the education and training activities.
- T5.2 Coordination of the cooperation with NEA and IAEA and Dissemination activities.
- T5.3 Coordination and support to End-Users

WP6 Management

- T6.1 Management of the project.



Milestones from month 1 to 18

Milestones already achieved by the annual meeting (as requested the responsible institution should still send a short communication for the 18th month activity report):

1.1, 1.3, 1.9, 3.1, 3.2, 3.3, 4.1, 4.2, 4.5 & 6.1

Milest. #	Milestone name	Work pack(s) involved	Lead beneficiary	Expected date	St	Comments
	Work package 1					
M1.2	Measurements for the ²³⁸ Pu fission cross section by the transfer method	WP1	CNRS/CENBG	12->24		Brief report to the coordinator
M1.4	Measurements of the β-decay of the ⁸⁸ Br, ⁹⁴ Rb, ⁹⁵ Rb and ¹³⁷ I isotopes with a total absorption spectrometer	WP1	JYU	12->?		Brief report to the coordinator
M1.5	Measurements of inelastic scattering off ²³⁸ U	WP1	CNRS/IPHC	18		Br Rep to Coord
M1.6	Methodology implementation for covariance generation for (n,ng) measurements	WP1	IFIN-HH	18		Brief report to the coordinator
M1.7	Measurements of fission yields with VAMOS at GANIL	WP1	CNRS/GANIL	18		Brief report to the coordinator
	Work package 3					
M3.4	Interim comparison on the analysis of different systems	WP3	CEA/DEN	18		Seminar
	Work package 4					
M4.3	Realization of the SPALADIN experiment	WP4	USC	18->24		Brief report to the coordinator
M4.4	Obtaining of the MEGAPIE samples	WP4	PSI	18		Brief report to the coordinator
	Work package 5					
M5.1	First meeting of the End-users group	WP5	NRG	12		Minutes

Following milestones will be for month 24th

Deliverables for the first 18 months

Del. no.	Deliverable name	WP no.	Lead beneficiary	Estimated indicative person-months	Nature	Dissemination level	Delivery date
	Work package 2						
D2.1	Activation data libraries for Monte Carlo uncertainty propagation in fuel cycle code ACAB	WP2	UPM	7.5	R	PU	12
							Submitted
	Work package 3						
D3.1	Report on definition of the generic strategy for verification/validation benchmark	WP3	CEA/DEN	17.7	R	PU	14
							Pending
	Work package 4						
D4.1	Report on the predicting capabilities of the standard simulation tools in the 150-600 MeV energy range	WP4	CEA/DSM	16.2	R	PU	12
							Pending
	Work package 5						
D5.1	Dissemination and Use plan	WP5	NRG	1.4	R	PU	12
							Submitted

Deliverables from M19 to M24

Del. no.	Deliverable name	WP no.	Lead beneficiary	Estimated indicative person-months	Nature	Dissemination level	Delivery date	Status
	Work package 1							
D1.1	Final report on the fission cross sections determined for ²⁴¹ Am, ²⁴³ Am and ²⁴⁵ Cm	WP1	INFN	7.1	R	PU	24	
	Work package 3							
D3.2	Report on analysis of MUSE experiment and C/E + sensitivity vectors	WP3	CIEMAT	11.6	R	PU	20	
D3.3	Report on analysis of the IRPhE experiments and C/E + sensitivity vectors	WP3	JSI	23.0	R	PU	20	
D3.4	Report on criticality benchmark experiment and C/E + sensitivity vectors	WP3	NRG	19.4	R	PU	24	

Governing board annual meeting actions list

- I) Preparation of the reports for the 18th month project review.
- II) Completing the write-up of reports on completed Deliverables
- III) Collecting achieved results, publications, ongoing PhD thesis, ...
- IV) Development of the new Web site (General Public, description of facilities and ongoing experiments)
- V) ANDES members should register and contribute to the ANDES web
- VI) Set up of the End –Users Group.
- VII) Establish formal links to the IAEA participation (via End User Group).
- VIII) Coordination meeting together with NEA
- IX) Consolidation of next meetings dates and locations
- X) Organize a meeting to identify the priorities for the MEGAPIE samples analysis
- XI) Check possible dates and draft program of the ANDES school and try to coordinate these proposals with the corresponding n_TOF initiative.