Nuclear Energy Agency

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NUCLEAR ENERGY AGENCY
NUCLEAR SCIENCE COMMITTEE

Working Party on International Nuclear Data Evaluation Co-operation

Pre-Kickoff Meeting of the WPEC Subgroup 49 on Reproducibility in Nuclear Data Evaluation

Agenda

27 November 2019, NEA Headquarters, Boulogne-Billancourt, France

Dr. Michael Fleming
+33 1 73 21 28 22
michael.fleming@oecd-nea.org

OECD/NEA Nuclear Science Committee

Working Party on International Nuclear Data Evaluation Co-operation (WPEC)

Pre-Kickoff Meeting of the WPEC Subgroup 49 on Reproducibility in Nuclear Data Evaluation

NEA Headquarters Room BB10

46 quai Alphonse Le Gallo, 92100 Boulogne-Billancourt, France

AGENDA

SG49 - 27 November 2019 Morning Session			
09:00	09:10	Welcome and introductions	D. Rochman
09:10	09:40	Documenting EMPIRE-based evaluation	M. Herman
10:00	10:30	T6 - the evaluation system around TALYS	A. Koning
10:30	10:45	**Coffee Break**	
10:45	11:15	Experience from the T6 portable system	D. Rochman
11:15	11:45	Maintaining Nuclear Data evaluation tools - collaboration, portability and continuity - Uppsala university experience	G. Schnabel, H. Sjöstrand
11:45	12:15	Barriers to Reproducibility and Automation	D. Brown
12:15	12:30	Reproducibility in the resonance range	S. Kopecky
12:30	14:00	**Lunch Break**	

From 14:00, we will be conducting a workshop using the NEA GitLab (https://git.oecd-nea.org). **Participants must register in advance** to ensure they have accounts with the correct permissions to access the WPEC SG49 group space and carry out the exercises. Participants must come with a computer that has GNU git installed. Windows users are encouraged to find a suitable GUI client (https://git-scm.com/downloads). Those wishing to complete the Docker exercise must come with Docker installed on their machine (https://docs.docker.com/install/). If you have any questions, please contact michael.fleming@oecd-nea.org. The workshop will include six short sessions with time for questions:

- Introduction to git and the GitLab system, groups and project creation
  - o Exercise: create a project space and mirror the test repository
- Tracking changes with git
  - o Exercise: staging, committing and pushing to the remote
- Branches, merging and software development branch models
  - o Exercise: creating branches, making merge requests and code review
- GitLab web interface tools for collaboration
  - o Exercise: creating issues, git 'blame', statistics and user permissions
- Using built-in GitLab continuous integration and the anatomy of YAML
  - o Exercise: create a valid CI configuration and test a repository
- Containerisation with Docker
  - o Exercise: create a valid Dockerfile, build an image and launch inside a container