

Dear Tommaso, Antoine, Colleagues,

we have read the document “Road map to open science in nuclear physics” by A. Matta & A. Lemasson with the openNP collaboration (Rev. 1.1) forwarded to us by Tommaso on October 19, 2022. Here are our comments.

1) We highly appreciate and praise NuPECC’s proactiveness towards Open Science (OS). Given the importance of applying OS practices and given the crucial implications OS has towards critical issues in our academic, publicly-funded research (research evaluation, societal openness, crisis of the scientific publication market, etc), the NuPECC study comes really appropriate and timely;

2) We understand that the document is the subject of a “Call for community input” rather than an Institutional input, therefore we are submitting our comments as individual member of the INFN OS working group;

3) INFN is strongly involved in Open Access/Open Data/ Open Science and has been on the forefront of Italy’s action since 2007 with projects such as SCOAP3, OA2020, PlanS. The Italian roadmap is outlined by the Piano Nazionale della Ricerca (National Research Plan) and, specifically, by the Piano Nazionale Scienza Aperta (National Plan for Open Science) PNSA

[https://www.mur.gov.it/sites/default/files/2022-06/Piano Nazionale per la Scienza Aperta.pdf](https://www.mur.gov.it/sites/default/files/2022-06/Piano_Nazionale_per_la_Scienza_Aperta.pdf)

The PNSA builds the OS principles on a platform made of strategic directions, namely open research data, access to scientific publications, research evaluation, outreach and communication.

4) The document “Road map to open science in nuclear physics” addresses only the “access to open research data” strategic direction. The document is clear, complete and very well-written, accessible to its natural target, i.e., the research community. As far as this strategic direction is concerned, our only comment is to mention explicitly how the OS practices related to “access to open research data” will be run, managed and funded in the context of NuPECC.

5) The document does not address the other strategic directions that compose the platform of OS (access to scientific publications, research evaluation, outreach and communication on OS). All directions are strictly intercorrelated. There is no hope of establishing OS practice if our community is not informed, hence outreach and communication. There cannot be fair access to scientific publications if the present market is not taken away from oligopolistic publishers and made more competitive, and this cannot be accomplished unless a revision of the research evaluation system is performed (most notably, see the EU initiative “Towards a reform of the research assessment system”) <https://op.europa.eu/en/publication-detail/-/publication/36ebb96c-50c5-11ec-91ac-01aa75ed71a1/language-en>

In conclusion, we think that the document addresses very well the OS strategic direction towards accessing open research data, but we recommend it be completed with sections addressing a roadmap towards the missing OS strategic directions, i.e., research evaluation, access to publications, outreach and communication on OS.

Thank you so much for having involved us in this discussion. For any further communication please cc: our collective address openscience@lists.infn.it

Best,

Stefano Bianco with Roberto Barbera, Marcello Maggi, Dario Menasce, Laura Patrizii – INFN Open Science working group.
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