

# Science4Peace Forum



All infos on: [Science4Peace Webpage](https://science4peace.com)

<https://science4peace.com/Public-Events/Entries/2024/2/science4peace-initiative---how-to-react-on-cern-council-decision-.html>

# Science4Peace Forum

## News



- We are living in very difficult times:
  - War in Ukraine
    - discussion on nuclear weapons “started” end of last year with former Green Foreign Minister J. Fisher ([link](#))
    - now picked up by candidate for EU parliament and others
    - although Doomsday Clock says “90 sec before midnight” (see [link](#))
    - increasing expenses for military: German government discussed where to cut, social spendings ?
    - **Within < 2 years, political discussion changed very significantly !**

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## News



- Workshop on Civil Clause 16-17 March 2024 - Frankfurt ([link](#))
  - *Civil clause (German: Zivilklausel) is a voluntary commitment by academic institutions to engage exclusively in civil (i.e. non-military) research. ([link](#))*
  - *The idea originates in Japan: In 1950, the Science Council of Japan established that its members will refuse to participate in military-related research projects. Such a declaration was repeated in 1967, and in 2017.*
  - *In Germany, Universität Bremen was the first to put a Civil Clause in effect. Its resolution no.5113 from 1986 declared:*
  - *Any participation of science and research with military use or purpose must be rejected by the academic senate. In particular the civil clause demands that members of the university reject research projects and funding which could serve weapon technology.*



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## News



- Workshop on Civil Clause 16-17 March 2024 - Frankfurt ([link](#))
  - Science4Peace Forum will join and support this workshop
- J. Scheffran is participating !





# Science4Peace Forum

## News



- We are living in very difficult times:
  - War in Ukraine
  - War in Israel – Gaza
    - Several science institutes have declared solidarity with Israel after attack of Hamas !
      - meanwhile a terrible war is ongoing, some speak of genocide of Palestinians
      - UN secretary general is calling since months for ceasefire
      - South Africa called [International Court of Justice](#) to prevent genocide

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## News



- War in Israel – Gaza
  - at DESY some people were unhappy with reaction of directorate by not mentioning suffering and death of > 20 000 Palestinian civilians
    - it is regarded as respect-less and of double standard ignoring feelings of many employees, including those with relations and connections to Palestinian people
    - a protest note is prepared to be send to directorate, demanding to stick away making political statements which are not discussed and agreed by employees
      - politicization of science institutes is a real problem

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News



- We are living in very difficult times:
- Climate Crisis

Climate Strike  
1. March 2024





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## News



- We are living in very difficult times:
  - Western leaders point finger at Putin after Alexei Navalny's death in jail (link to article in [Guardian](#))
  - in *March 2021* we had a discussion at the Science&Society Initiative on *Use of chemical nerve agent Novichok against Navalny* ([link](#))
  - Arresting and killing of political competitors is not acceptable, everywhere !
    - many bad examples world wide !

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## Discussion



Discussion on Reaction on CERN council decision

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CERN council decision



- News from the December 2023 CERN council decision (mail from F. Gianotti CERN DG):
- International Cooperation agreements with [Russian Federation](#) and the [Republic of Belarus](#) will come to an end on 27 June 2024 for the Republic of Belarus, and on 30 November 2024 for the Russian Federation. All relations between CERN and Russian and Belarusian institutions will cease as of these dates. Relations continue with scientists of Russian or Belarusian nationality otherwise affiliated with CERN.
- “To terminate, *mutatis mutandis*, all other agreements and experiment memoranda of understanding allowing the participation of the Russian Federation and its national institutes in the CERN scientific programme, with effect from 30 November 2024”



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Clear statements needed



- We must be very clear in criticizing CERN council decision:
  - it is a historic disaster, breaking with 70 year of cooperation
  - it has gigantic consequences:
    - immediate consequences:
      - persona non grata
      - intellectual properties
      - who can access data etc
    - long term consequences
      - which country will join future projects at CERN if they risk to be thrown out ?
      - CERN will loose its international reputation
      - future of CERN ?

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## Science4Peace Initiative



- **Science4Peace Initiative**

- a draft paper has been prepared ([link](#)), including many comments received in the past weeks
  - we should find commonly agreed statements and formulations which are clear and convincing to the community
  - we must be clear that we do not support politicization of science
    - science institutes should refrain from political statements !
    - no self-declarations, nor inquisition on persons should be demanded nor allowed
  - we should find clear positions even to protest against decisions which we believe are wrong, dangerous and affect a peaceful development in future

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Science4Peace Initiative



## A Science4Peace initiative: Against sanctions and exclusions in international scientific cooperation

All

February 19, 2024

**Some Highlights form paper draft**



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## Science4Peace Initiative



The building of LHC at CERN as well as the experimental detectors of the big LHC experiments was possible also because of a significant contribution from the Russian and Belarusian institutes. In particular, a part of the calorimeter [8] of the CMS experiment was built from the melted brass military navy shells (Fig.1), a wonderful extension of the *Swords to ploughshares* sculpture at the UN headquarter.

The decision of the CERN council in Dec 2023 to stop further cooperation marks a significant change in science diplomacy: this decision breaks with CERN's mission of *Science for Peace* [9]. In an article in the CERN courier the former CERN director Herwig Schopper has argued "Science for Peace? More than ever" [10].

While we have continued to work together until now with our Russian and Belarusian colleagues at CERN, and had many discussions among us within experimental and



Figure 1: In Russian military storage there were thousands of shells made of brass, the shells could be melted for use in the CMS detector (from [8])



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## Science4Peace Initiative



The decision of the LHC experiments at CERN\* [14] to remove all affiliations from the Russian and Belarusian authors in publications (examples in Refs. [15–18]) was an act of non-equal treatment depending on nationality, while other non-CERN international collaborations continued with an equal treatment of all the authors (see e.g. Refs. [19–21]).

The consequences of the decision of the CERN council to stop further cooperation are epochal – CERN is not a national institute like DESY [22], which bans cooperation (although still participating in XFEL with Russian institutes [23]). A crucial point to note is that international scientific cooperation with Russia still continues elsewhere, such as at XFEL [23], ESA [24], ITER [25], and ISS [26]. We think that CERN could have adopted other models of qualified cooperation, such as are *en vogue* at the Japanese research centre KEK and the Belle II experiment that it hosts, according to which scientific collaboration is not to be interpreted as an endorsement of the policies of the individual institutes or of their governments. Where there is a will, there is a way!

CERN is an international organization, endorsed by UNESCO, and has therefore responsibilities, which go much deeper than those of national institutes being affected by the national policies, especially since CERN has been granted UN - observer status [27].

Excluding a whole community from international projects like the LHC means, that those scientists are excluded from participating and shaping fundamental science at the forefront of energies, that they are excluded from detector development, from analysis of the recorded data, and from any forthcoming discoveries, which are possible at highest energies. Furthermore, scientists are excluded from social interactions and international chats during lunch or coffee break, which are essential ingredients for a peaceful cooperation between people, nations and states in the present and the future.

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## Science4Peace Initiative



We therefore propose, as a Science4Peace initiative:

- grant every scientist who has contributed in the past to the experiments to use any data and knowledge resulting from the experiments for scientific non-military purpose until completion of the experiments,
- sign scientific publications only with names (not with institutes and laboratories as affiliations) to show that we are scientists committed to invest our knowledge and enthusiasm into the scientific exchange, without being bound to the policies of nations and countries,
- allow and encourage international scientific cooperation between all countries organized and committed to the United Nations
- continue with scientific communication between individuals and continue producing common scientific publications on fundamental physics,
- start dedicated new projects in theory and phenomenology, as well as in experimental physics based on openly accessible resources, between any interested scientists on the basis of universal scientific goals, independent on the nationality, gender or color of the scientists
- organize scientific conferences fully online to allow participation from everywhere without restrictions on nationality and funding opportunities for travel (as an additional effect, this will reduce significantly travels and the ecological footprint) [34]
- organize international summer-schools (perhaps also fully online) for students.



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## Science4Peace Initiative



- **Science4Peace Initiative**

- some comments to the draft proposal
  - do not publish before CERN council meeting in March, where decision on JINR is expected – can be counterproductive
  - do not criticize CERN council but rather political institutions (governments) behind
  - stay quiet in hope, that agreement with JINR will be kept, which will solve nearly all problems
  - do not demand a discussion on re-organization of CERN council
  - requests are too general or too narrow and cannot be fulfilled
    - grant access to data will not be possible
    - individual initiatives are fine but do not solve anything

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Science4Peace Initiative



- **Science4Peace Initiative**

- I think we should:
  - finalize the paper draft including constructive comments
  - publish the draft before CERN council meeting in March (if not, the paper becomes obsolete)

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AOB



- AOB

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Science4Peace Fund



- Science4Peace Webpage: <https://science4peace.com/>
  - Science4Peace Fund
    - source can be used to support with a small amount scientists
    - donations can be made online with PayPal



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Organization



- Science4Peace Webpage: <https://science4peace.com/>
  - Science4Peace Fund: ZOOM account and web page independent of any institution
- Please check <https://science4peace.com/> for further infos:
  - collection of links to statements from research institutions
  - public events (like this one, with slides)
  - any other further infos
- For discussions on Science4Peace matters, please use (and register) at our Signal channel ([Signal registration](#))