ChETEC-INFRA Kick-off Meeting

Session 2: Other networks; TNA facility presentations (part 1)

May 4, 2021

ChETEC-INFRA Transnational Access scheme: Overview

Konrad Schmidt

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13 partners offer transnational access

- **ChETEC-INFRA partners with TA infrastructures**
- **ChETEC-INFRA other funded partners**
- ChETEC-INFRA associated partners

Three types of infrastructures

★ Supercomputer facilities perform stellar structure and nucleosynthesis computations

★ Telescopes and mass spectrometers collect elemental and isotopic abundance data

★ Astronuclear laboratories supply reaction data

ChETEC-INFRA TA facilities

Astronuclear High performance Computing
- ★ University of Hull (UHULL) viper HPC, United Kingdom .... (15:10 CEST)

Astronuclear Telescopes
- ★ Aarhus University Nordic Optical Telescope (NOT), Denmark .... (14:00 CEST)
- ★ ASU Perek 2m Telescope, Czech Republic .... (12:50 CEST)
- ★ IANAO Rozhen National Astronomical Observatory, Bulgaria .... (12:40 CEST)
- ★ Vilnius University Molėtai Astronomical Observatory (MAO), Lithuania (14:50 CEST)

Astronuclear Laboratories (AMS, Reactions with Ion Beams)
- ★ HZDR Felsenkeller, Germany .... (12:20 CEST)
- ★ ATOMKI Cyclotron, Hungary .... (14:40 CEST)
- ★ Goethe University Frankfurt Van de Graaff accelerator, Germany ... (14:10 CEST)
- ★ HZDR DREsden Accelerator Mass Spectrometry (DREAMS), Germany (12:10 CEST)
- ★ IFIN-HH 3MV Tandetron, Romania .... (15:00 CEST)
- ★ PTB Ion Accelerator Facility (PIAF), Germany .... (14:20 CEST)
- ★ University of Cologne 10MV Tandem accelerator, Germany .... (14:30 CEST)
- ★ Vienna Environmental Research Accelerator (VERA), Austria .... (12:30 CEST)

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4

Overview of CheTEC-INFRA TA groups

TA users

TA coordinator

Deputy TA coordinators

… to be elected this afternoon

Proposal management system

TA managers and deputy TA managers
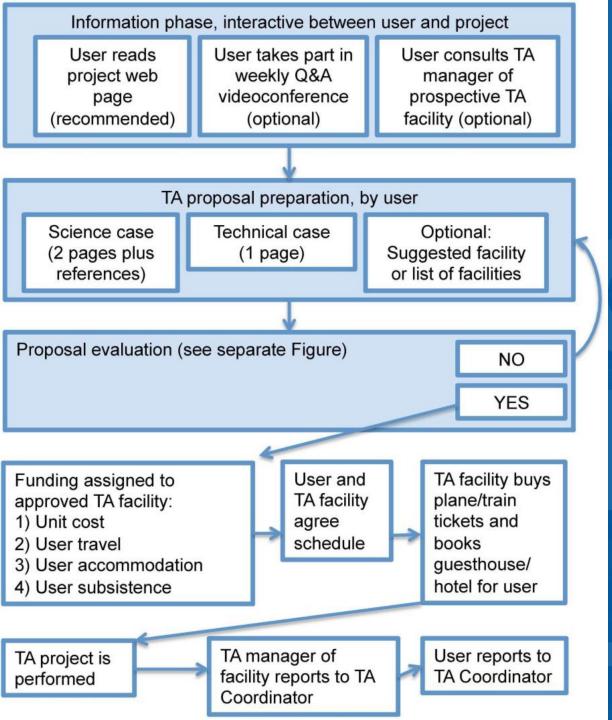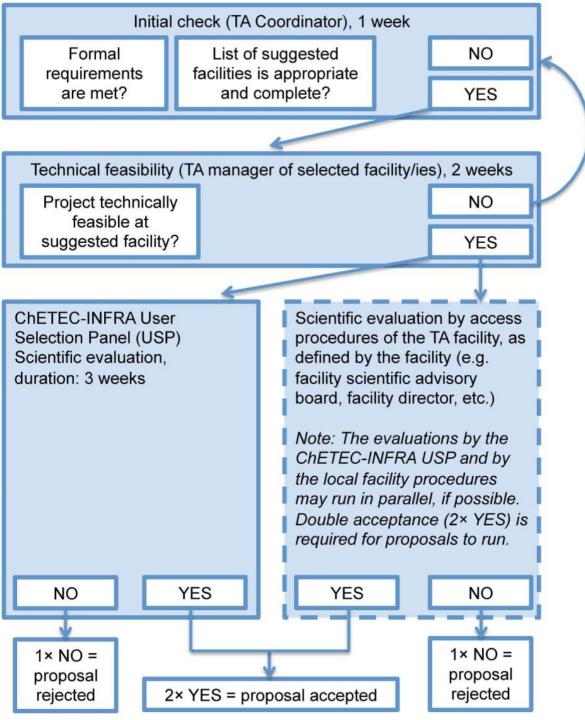- …
- …
- …
- …
- …
- …
- …

(13 facilities)

User Selection Panel (USP)
- Nuclear
  - 106 expected projects (27/year)
  - 5 to 7 members
- Telescopes
  - 66 expected projects (17/year)
  - 3 to 5 members
- HPC
  - 60 expected projects (15/year)
  - 3 to 5 members

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5

Flowchart of TA within ChETEC-INFRA as seen from the user

Information phase, interactive between user and project

- User reads project web page (recommended)
- User takes part in weekly Q&A videoconference (optional)
- User consults TA manager of prospective TA facility (optional)

TA proposal preparation, by user

- Science case (2 pages plus references)
- Technical case (1 page)
- Optional: Suggested facility or list of facilities

Proposal evaluation (see separate Figure)

NO

YES

Funding assigned to approved TA facility:
1) Unit cost
2) User travel
3) User accommodation
4) User subsistence

User and TA facility agree schedule

TA facility buys plane/train tickets and books guesthouse/ hotel for user

TA project is performed

TA manager of facility reports to TA Coordinator

User reports to TA Coordinator

Flowchart of the evaluation process for TA proposals via ChETEC-INFRA

The Proposal Management system for ChETEC-INFRA is GATE

★ current version is GATE 1.0

    ★ implemented at Helmholtz-Zentrum Dresden Rossendorf

    ★ working for other EU projects like RADIATE

★ planned upgrade to GATE 2.5

    ★ already running at Helmholtz-Zentrum Berlin

★ aim

    ★ move ChETEC-INFRA from GATE1-0 to GATE 2.5 in fall 2021

How to submit a proposal via GATE 1.0

1. Click on New Proposal

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9

How to submit a proposal via GATE 1.0

2. Choose type of infrastructure

3. Click on next step

- ChETEC-INFRA HPC – Astronuclear High performance Computing
- ChETEC-INFRA Laboratories – Astronuclear Laboratories (AMS, Reactions with Ion Beams)
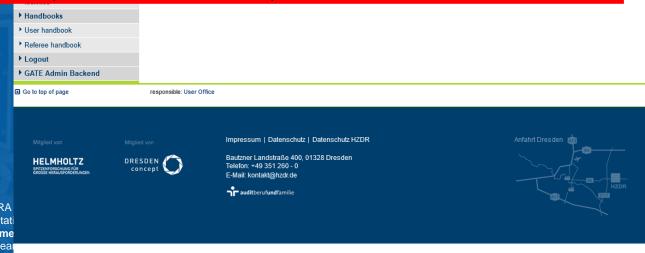- ChETEC-INFRA Telescopes - Astronuclear Telescopes

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10

How to submit a proposal via GATE 1.0

4. Fill Title

5. Fill Abstract (max 1000 characters)

6. Leave Proposal Type: Standard

7. Select Discipline: Physics

8. Select Specific Discipline Astrophysics

9. Check Funding requested

10. Upload scientific part of your proposal

(templates will be provided soon)

11. Click on next step

GATE
- Proposal management
  - My proposal
  - Report list
  - Publication list
  - Review proposals
  - Proposals per call
  - Personal data
  - Connect with Institutional Login
  - Change username
  - Online trainings
  - Handbooks
  - Logout

HZDR Proposal Management - User name

New proposal

General proposal data

Title *

Abstract *
max. 1000 characters

Proposal type * Standard

Discipline *   Specific discipline *

Funding   ☐ Funding requested

Project description ⓘ

Project description (pdf) *   Durchsuchen... Keine Datei ausgewählt.
Accepted format: *.pdf, max. of 10MByte

previous step   next step

Go to top of page   responsible: User Office

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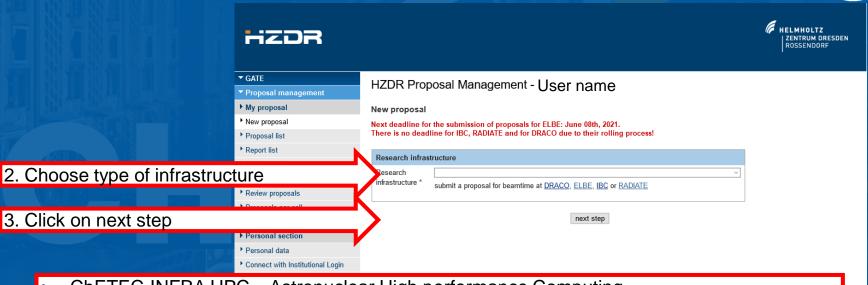
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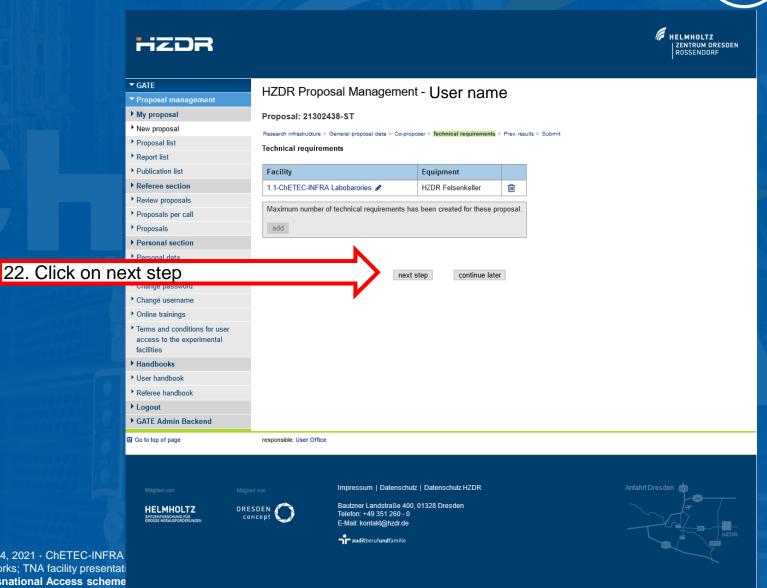Institute of Radiation Physics · Division of Nuclea

11

How to submit a proposal via GATE 1.0

12. Select the TA facility

13. Select preferred local contact

14. Select visitor or service mode

15. Fill requested user time (beam time hours, CPU hours, nights)

16. Fill preferred and unavailable dates

17. Upload technical part of your proposal (templates will be provided soon)

18. Enter earliest and latest starting date

…

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12

How to submit a proposal via GATE 1.0
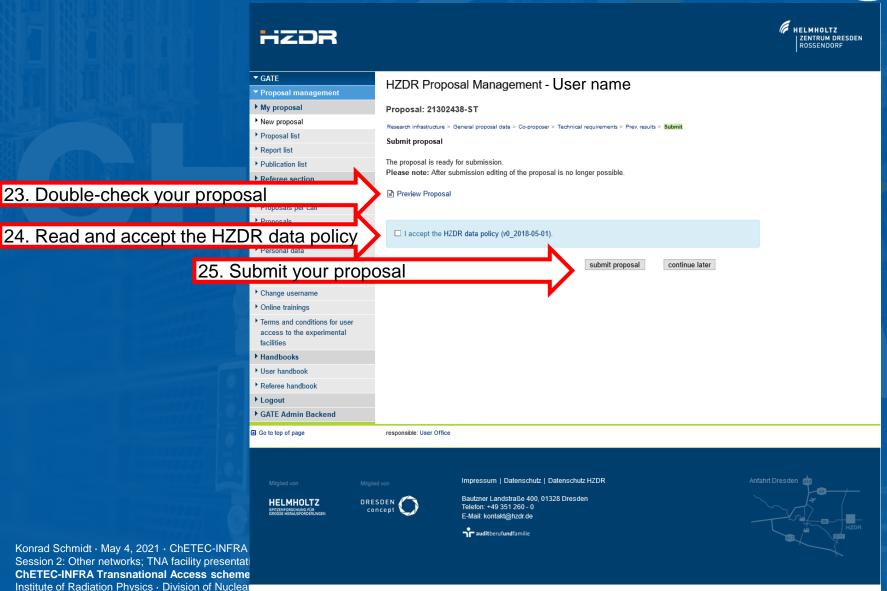
19. Fill additional information if necessary

20. Enter notes if needed

21. Click on next step

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How to submit a proposal via GATE 1.0

22. Click on next step

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How to submit a proposal via GATE 1.0

23. Double-check your proposal

24. Read and accept the HZDR data policy

25. Submit your proposal

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15

Important dates for ChETEC-INFRA TA – a new call every 3 months

1. call (now)
- Proposal submission deadline on May 17, 2021
- User Selection Panel meets in July 2021
- User time from Sep 1 to Nov 30, 2021

2. call
- Proposal submission deadline on Aug 17, 2021
- User Selection Panel meets in October 2021
- User time from Dec 1, 2021 to Feb 28, 2022

3. call
- Proposal submission deadline on Nov 17, 2021
- User Selection Panel meets in January 2022
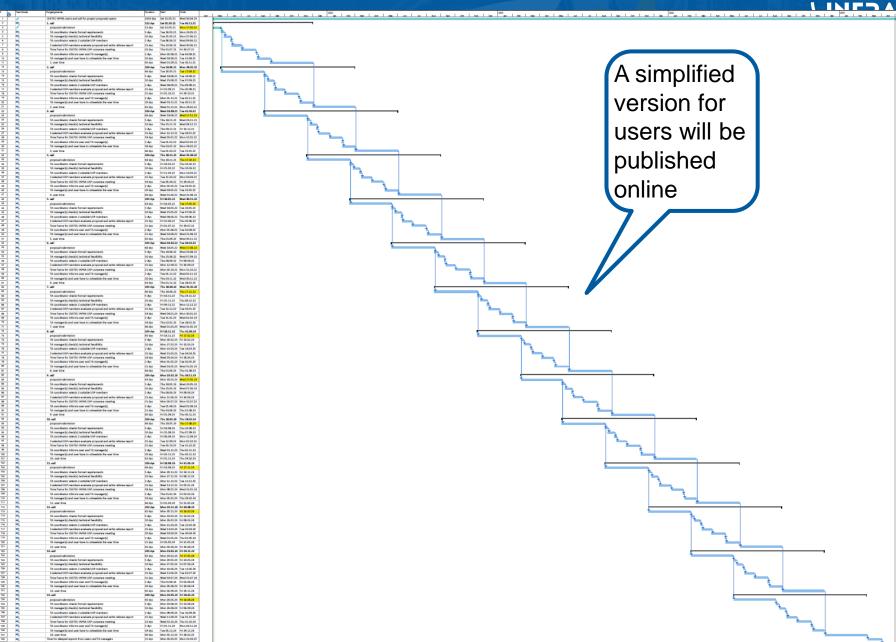- User time from Mar 1 to May 31, 2022

4. call
- Proposal submission deadline on Feb 17, 2022
- User Selection Panel meets in April, 2022
- User time from Jun 1 to Aug 31, 2022

…

14. Call (last)
- Proposal submission deadline on Aug 17, 2024
- User Selection Panel meets in October, 2024
- User time from Dec 1, 2024, to Feb 28, 2025

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16

Gantt-Chart for ChETEC-INFRA TA

A simplified version for users will be published online

Summary

- ★ 13 ChETEC-INFRA infrastructures offer transnational access

- ★ ChETEC-INFRA includes three types of infrastructures
  - ★ Astronuclear High performance Computing
  - ★ Astronuclear Laboratories
  - ★ Astronuclear Telescopes

- ★ Proposal management system is GATE
  - ★ Current version is GATE 1.0
  - ★ Planned upgrade to GATE 2.5

- ★ Every three months
  - ★ proposal deadlines
  - ★ User Selection Panel meetings
  - ★ user times