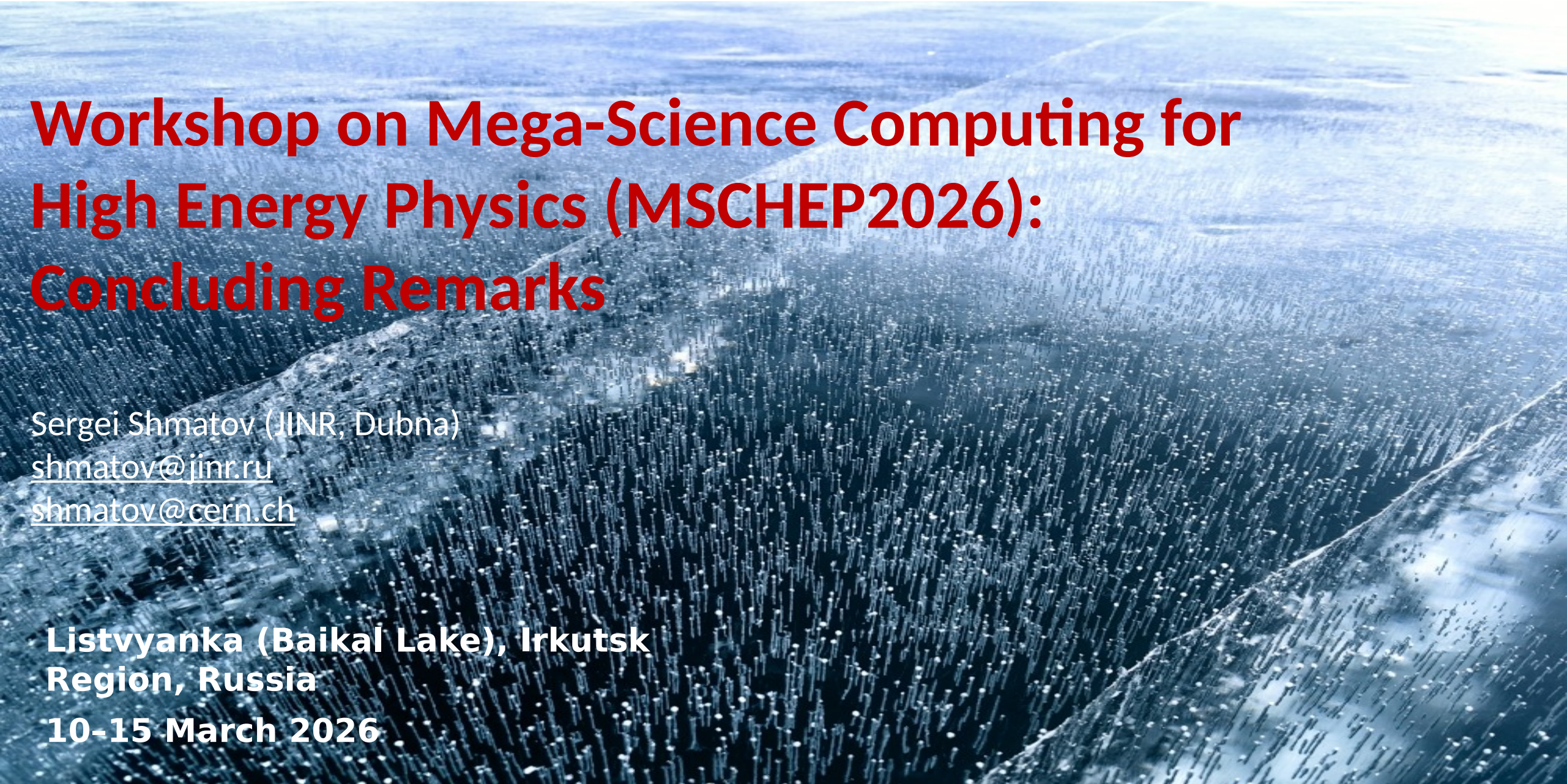


Workshop on Mega-Science Computing for High Energy Physics (MSCHEP2026): Concluding Remarks

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10-15 March 2026

The great mutual interest between JINR and China scientists to participate in HEP projects

- BESIII/JUNO/CEPC/STCF/etc
- NICA/Baikal-GVD
- + common participations in the LHC experiments

The large-scale project in HEP ⇒ big data ⇒ distributed computing

- LHC experiments, JUNO, etc live by this
  - ✓ global infrastructure (like WLCG), computing models, CTDRs
- Experiments @ NICA ⇒ no resource policy, general computing models, CTDRs
  - ✓ BM@N – the first intention to use resources of NRC “Kurchatov Institute”
  - ✓ MPD – they should, but… ?
  - ✓ the first steps by SPD (JINR/PNPI/Samara/St.Petersburg Un.)
- Neutrino experiments (Baikal-GVD/Nevod/Taiga/etc) ⇒ MEPhI, NRC KI Institute, SINP MSU
- Future projects (STCF/CEPC/LSPF)

”Computing Collaborations” for NICA and NP are under discussion


To ride like this!


.. but not like this

The network is the bottleneck in distributed computing infrastructure

- at present LHCOPN and public are the only ways
- LHCOPN path is strongly affected by political turbulences

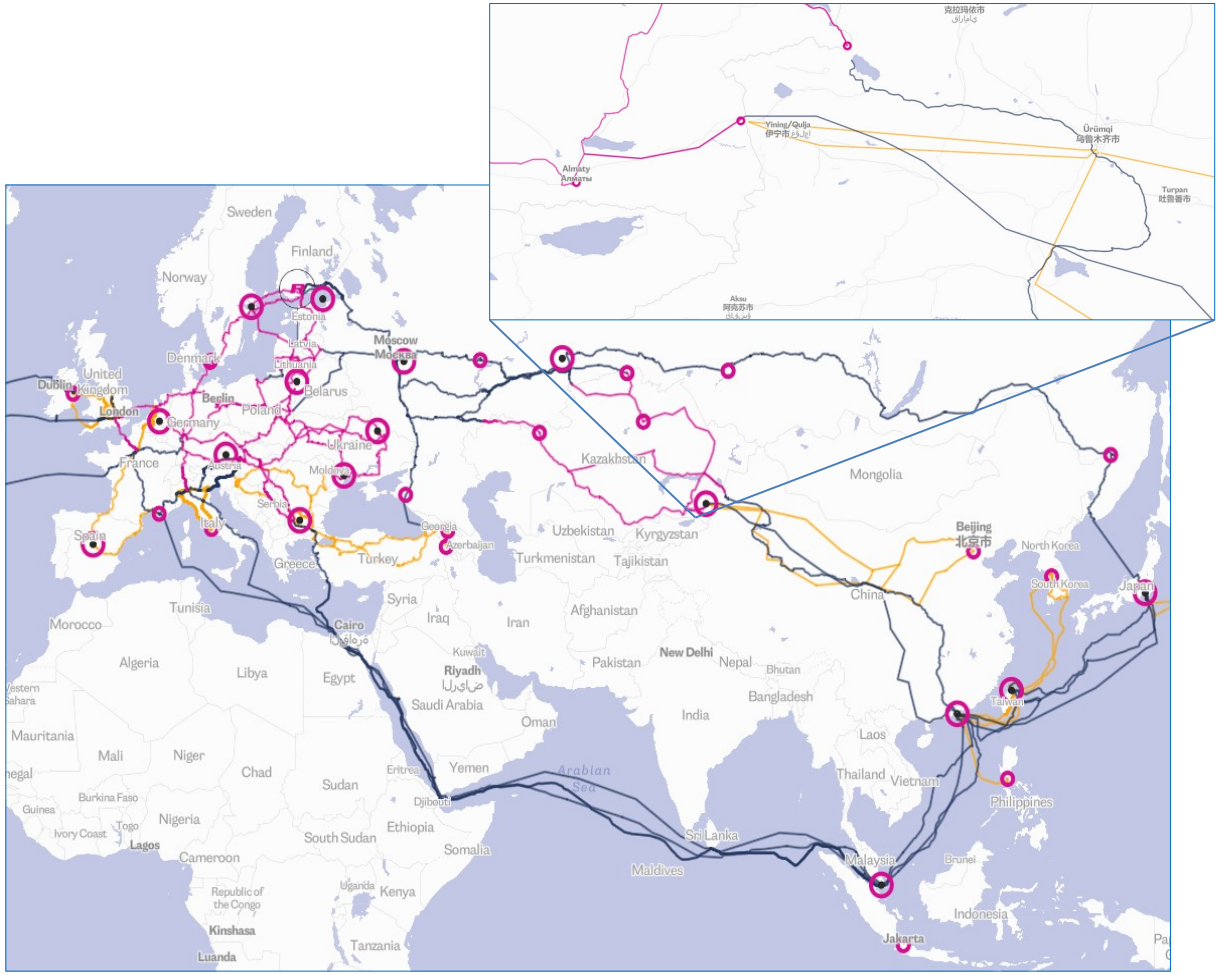
Strategy to solve this problem

- optimization of logical paths between IHEP and JINR
- build a dedicated logical paths between IHEP and JINR (by using existing optical links)

It was noted by Vladimir Korenkov, Tau Cui, Xiaomei Zhang, Nikita Balashov, etc

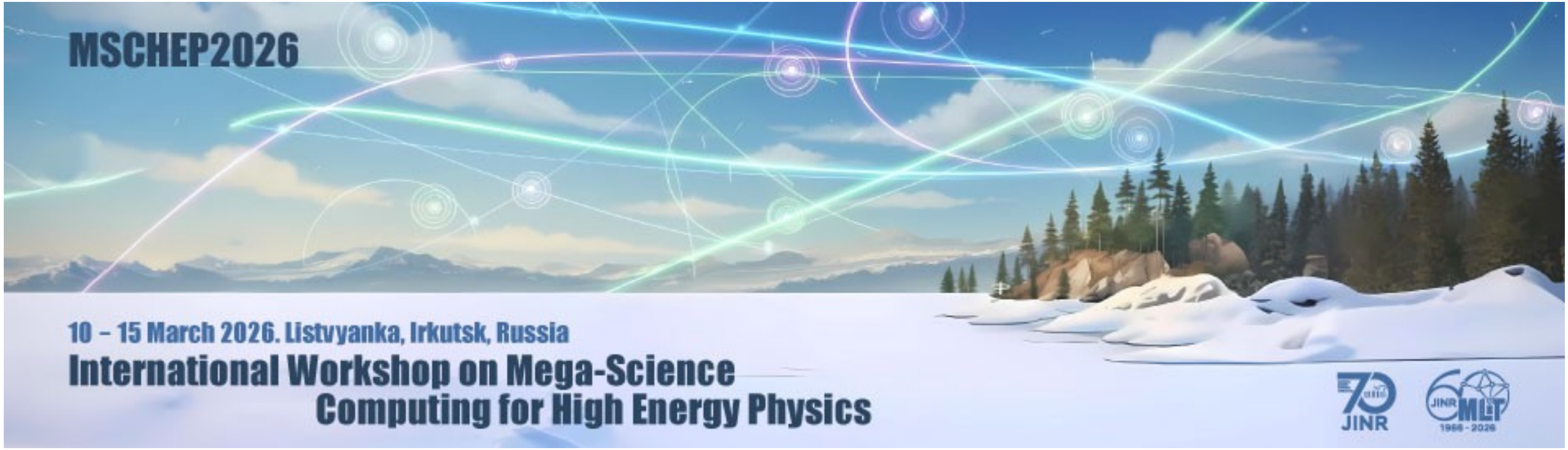
- development a global network within the BRICS structure (see a talk by Vasily Velikhov)

The offer from the RETN, an international data network platform



⇒ JINR-China EWG ⇒ National Academies of Science ⇒ funding agencies

Workshop Summary



The MSCHEP2026 workshop is nearing completion

- 64 participants from 14 Institutes and Partner Organizations, 47 from Russia and 17 from China
- 45 talks
- a dedicated session ”Computing for JINR Neutrino Program”
- discussions, excursion, acquaintance with Baikal lake



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GREAT THANKS AGAIN!

SPECIAL THANKS!

Olga!



Kristina!



Daria!



Olga!





More photos https://indico.jinr.ru/event/5555/page/2706-photos

We look forward to seeing you in 2028!

Where?...









One year to choose!