



RESEARCH INFRASTRUCTURES FOR CITIZENS IN EUROPE (REINFORCE) FUTURE OUTLOOK

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> FRONTIERS e- Summer School 13-24 July 2020





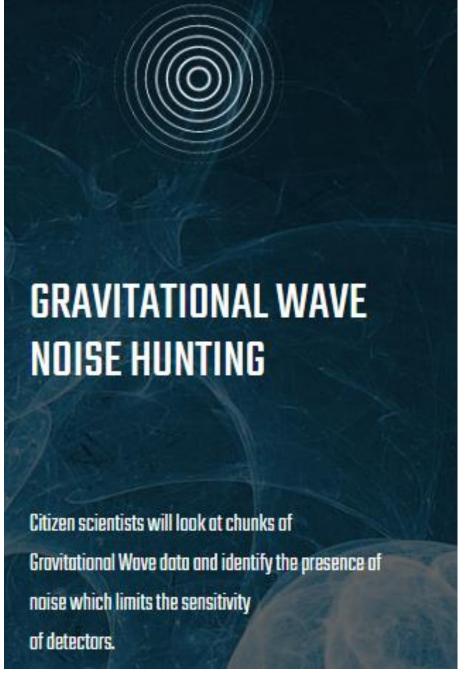
Minimizing the knowledge gap between Large Research Infrastructures and Society through Citizen Science



How?

Introducing the next generation REINFORCE Citizen Science Demonstrators!

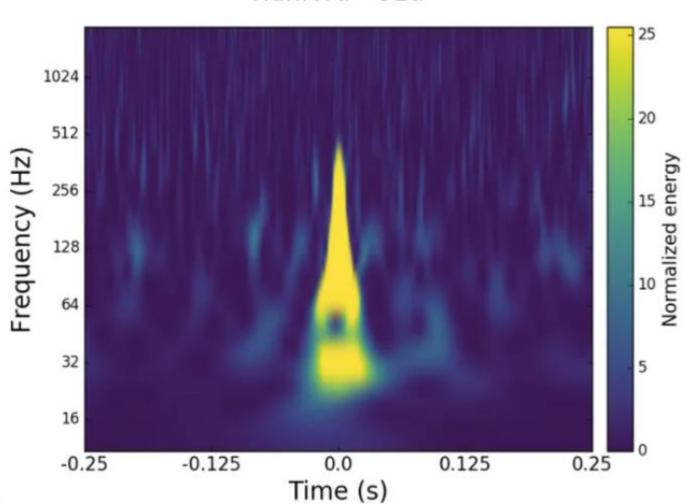






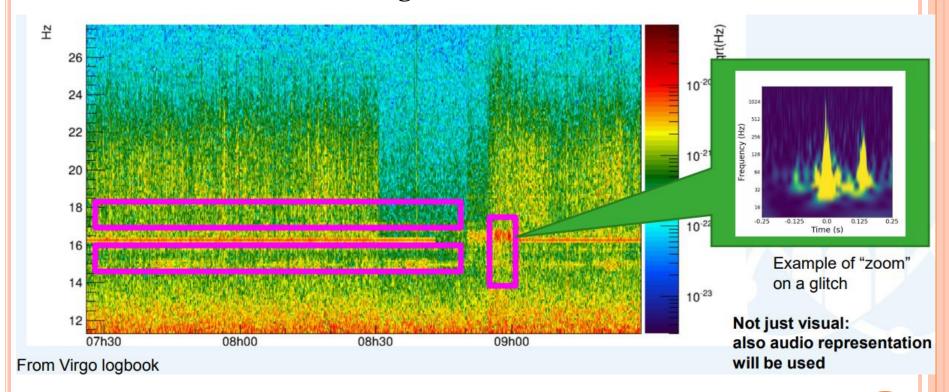
WE HAVE ALREADY LEARNED ABOUT GLITCH HUNTING..

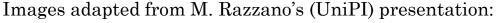
Hanford - O2a



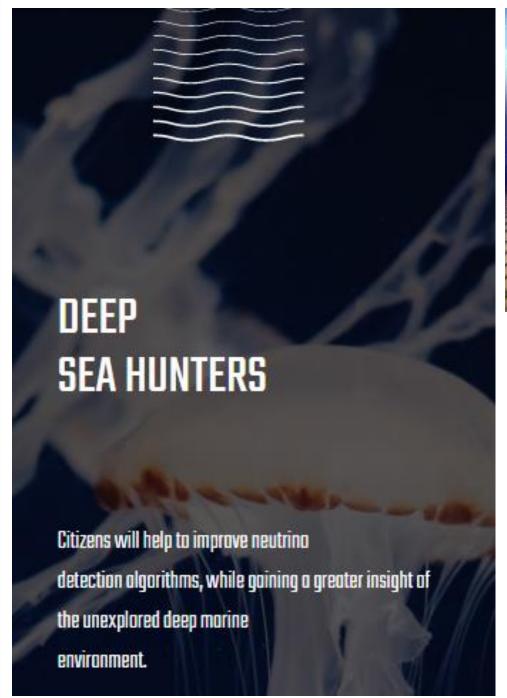
WE NOW INTRODUCE GRAVITATIONAL WAVE NOISE HUNTING

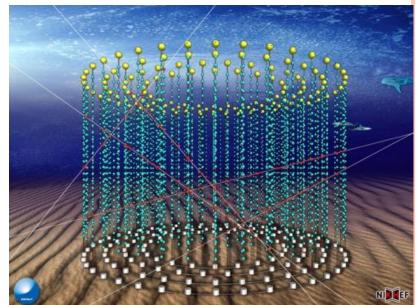
You will share findings and find new features

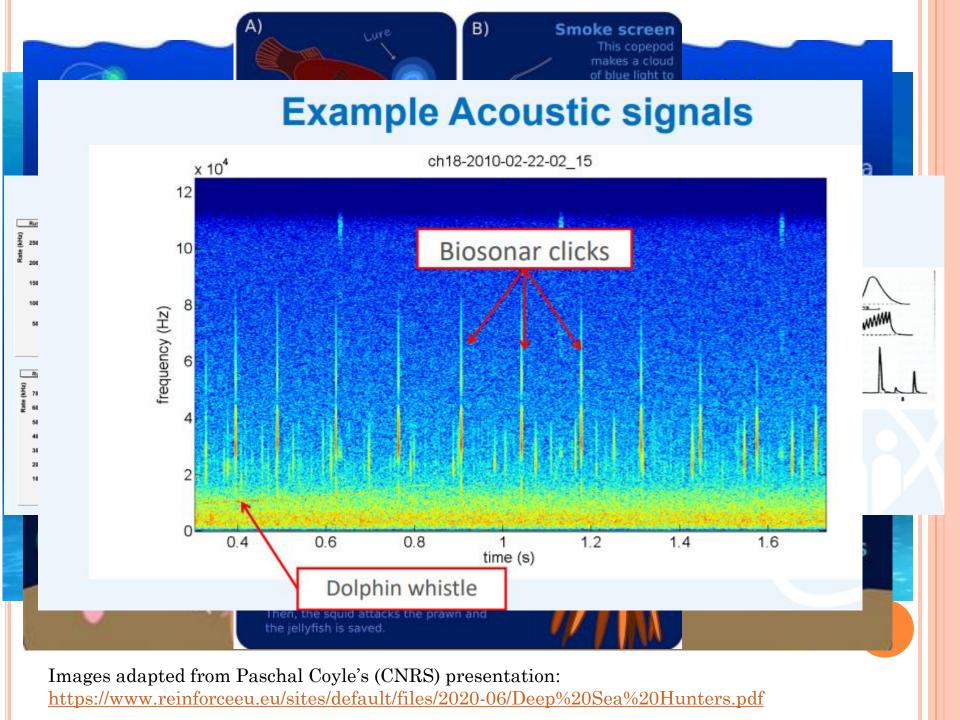




https://www.reinforceeu.eu/sites/default/files/2020-06/Gravitational%20Wave%20Noise%20Hunting.pdf





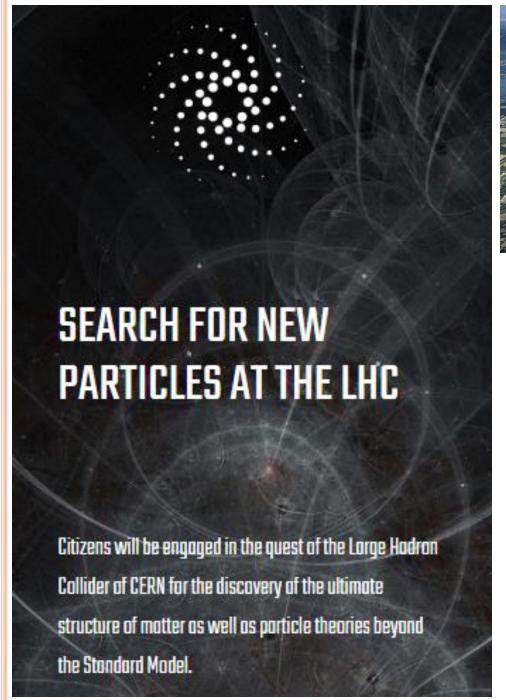


CITIZENS WILL..

- Help us to understand our optical and acoustic backgrounds
- Help us to improve our sensitivity to neutrinos
- Learn about the new field of neutrino astronomy
- Appreciate the biodiversity in the deep sea even at these enormous depths

Such studies have not been done before-really unexplored territory!

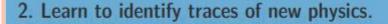
big potential for interesting discoveries!



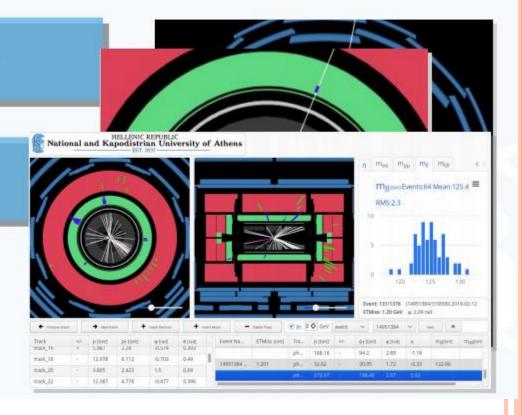


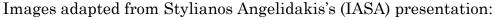
In a nutchall

1. Learn about the different kinds of particles and identify them among collision products.

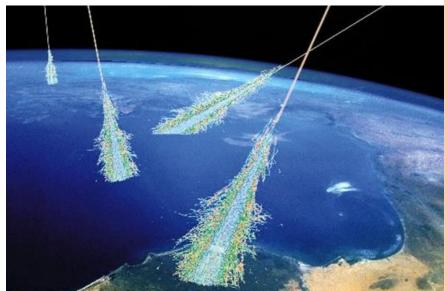


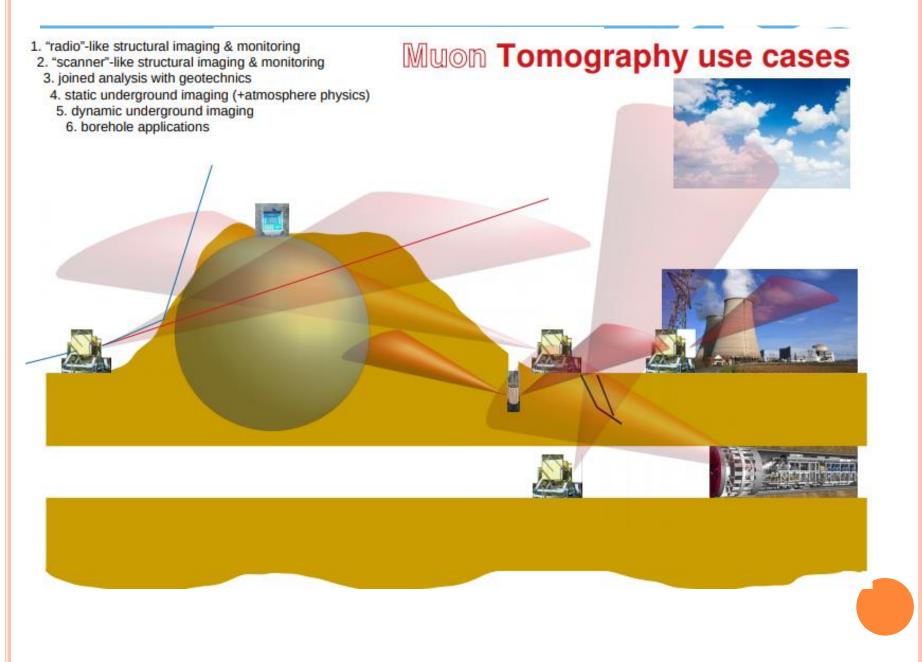
3. Scan a large sample of real data to discover new-physics signatures.











• In order for citizens to help explore the connections across the fields of cosmic ray physics, geology, volcanology and archaeology, REINFORCE will focus on interdisciplinary efforts for a multimessenger study of the Earth, and its climate, contributing to the understanding of topics such as climate change, volcano, monitoring and marine life, as well as their societal impact.

NEXT STEPS

- A series of workshops will be organized within the following year to introduce citizens to the subject topics of REINFORCE and obtain feedback on the design of our citizen science activities.
- The REINFORCE demonstrators will be finalized and deployed for every citizen to use!
- A series of participatory engagement activities will be launched in order to support and train citizens across Europe!

STAY TUNED!

FIND OUT MORE

- Website: www.reinforceeu.eu
- Join our mailing list and Subscribe to newsletter: <u>http://eepurl.com/g3Zz8D</u>

Social Media

- Twitter: www.reinforceeu.eu
- Facebook: www.reinforceeu.eu
- Youtube: <u>https://www.youtube.com/channel/UCzW_cNupP</u> FmM2BO7lfE6mPQ