

European and Mediterranean Major Hazards Agreement (EUR-OPA)

2020 Projects Reports and Proposals for 2021

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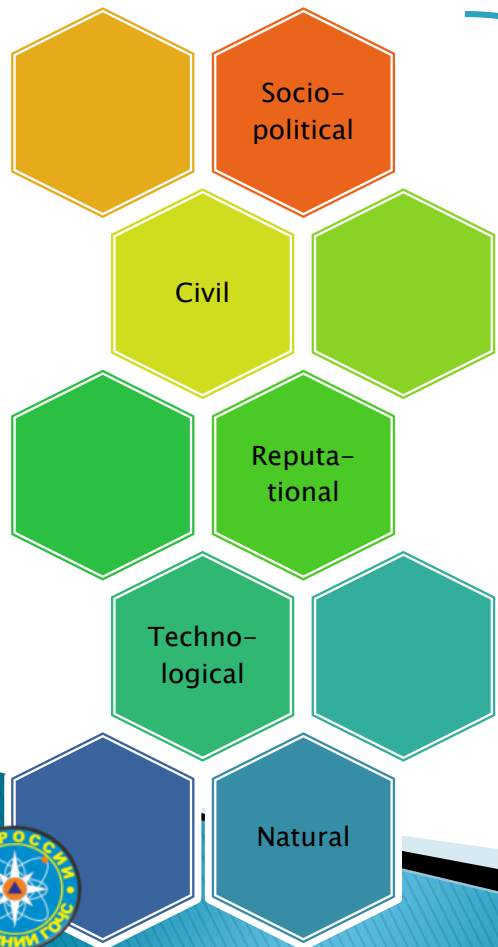
5 projects

- ▶ Technology for detection and assessment of reliability of significant events in social network
- ▶ Technology for detecting and analyzing rapidly developing socially significant events in social networks
- ▶ Development of digital information and education resource (portal) on the subject «Protection of the population in emergency situations»
- ▶ Operational testing and diffusion of innovative and cost-effective monitoring systems for the monitoring and early warning of geohazards affecting watersheds and critical infrastructures (for CERG)
- ▶ Developing proposals for reflecting in the modern Constitutions the human and civil rights to secure safe life activities and protect life, health and property against emergencies (for ECRM)



Technology for detection and assessment of reliability of significant events in social network

Significant events



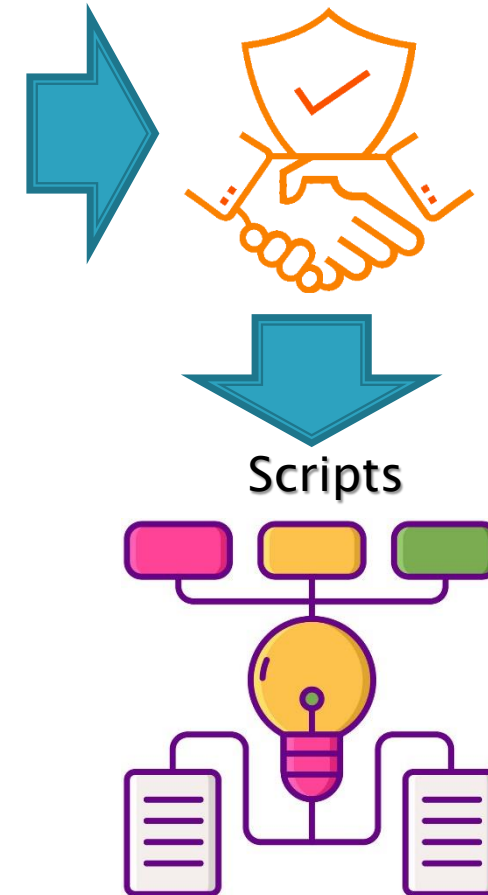
Attributes



Search methods

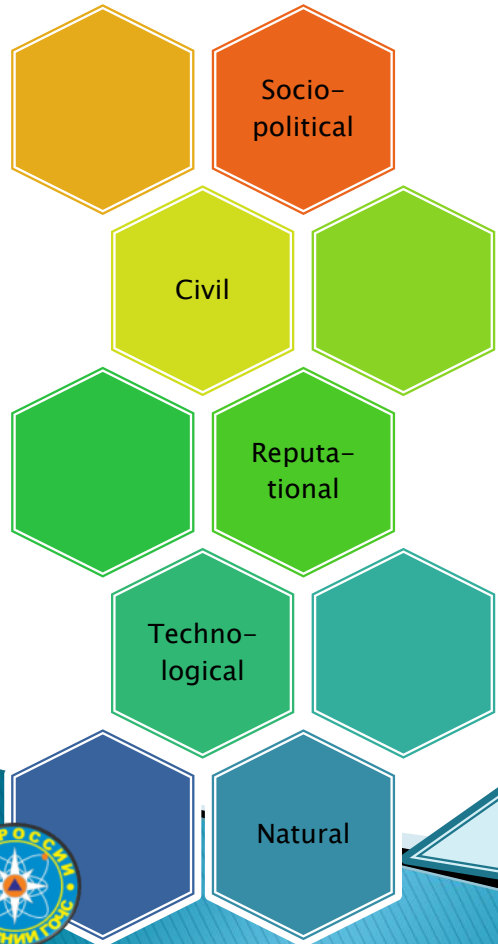


Methods for evaluating the validity



Technology for detecting and analyzing rapidly developing socially significant events in social networks

Significant events



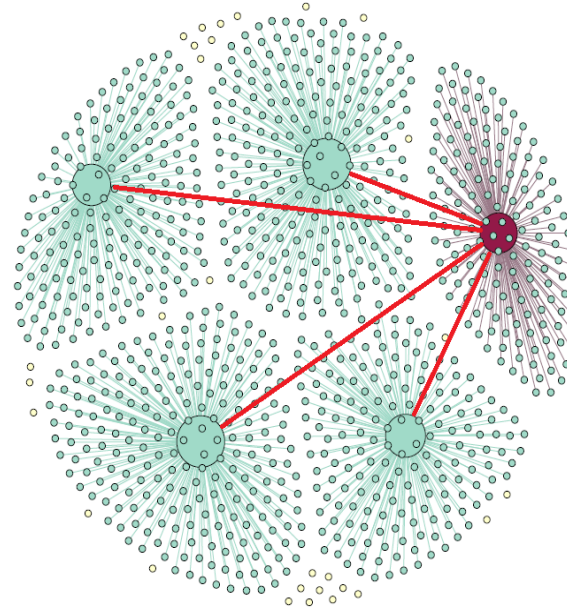
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Linguistic forms

- Wildfires
- Forest fires
- the forest is burning
- grass is burning
- fire is coming
- ...

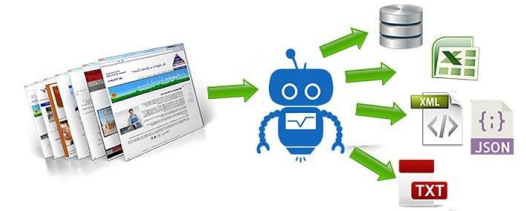
Network graphs



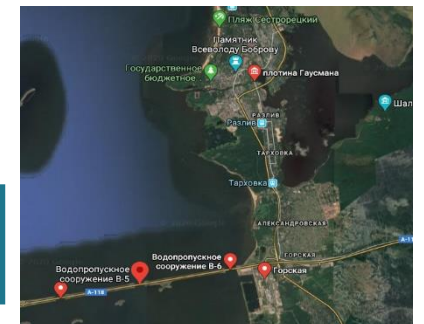
Assessment of reliability



Parsing



Analytical model



Development of digital information and education resource (portal) on the subject «Protection of the population in emergency situations»



1. Development of the product concept



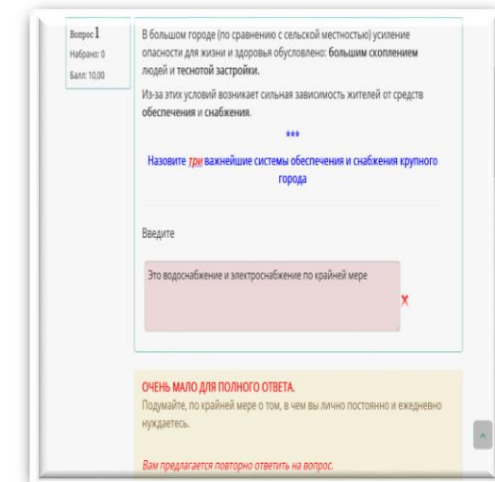
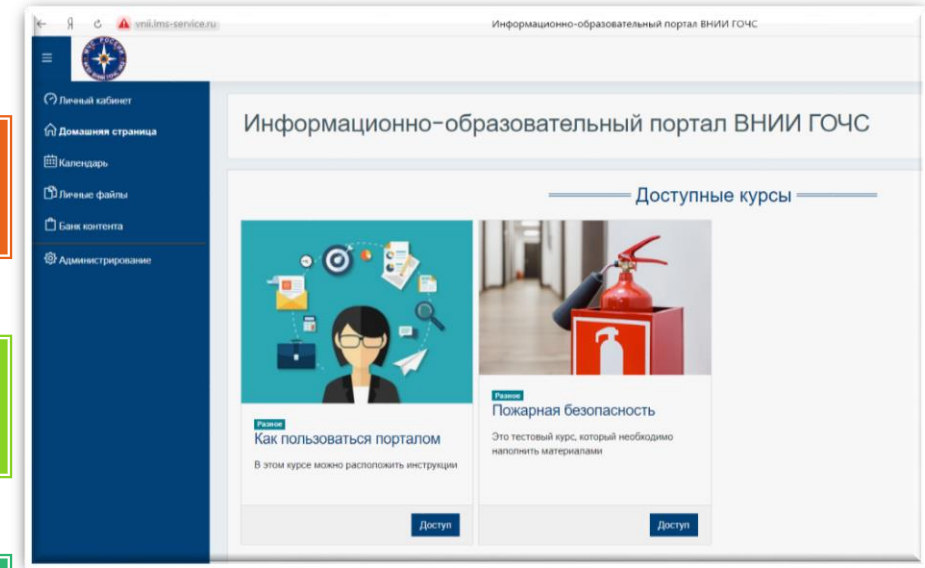
Development of interface mock-ups, prototyping of the platform



1. Promo Website development



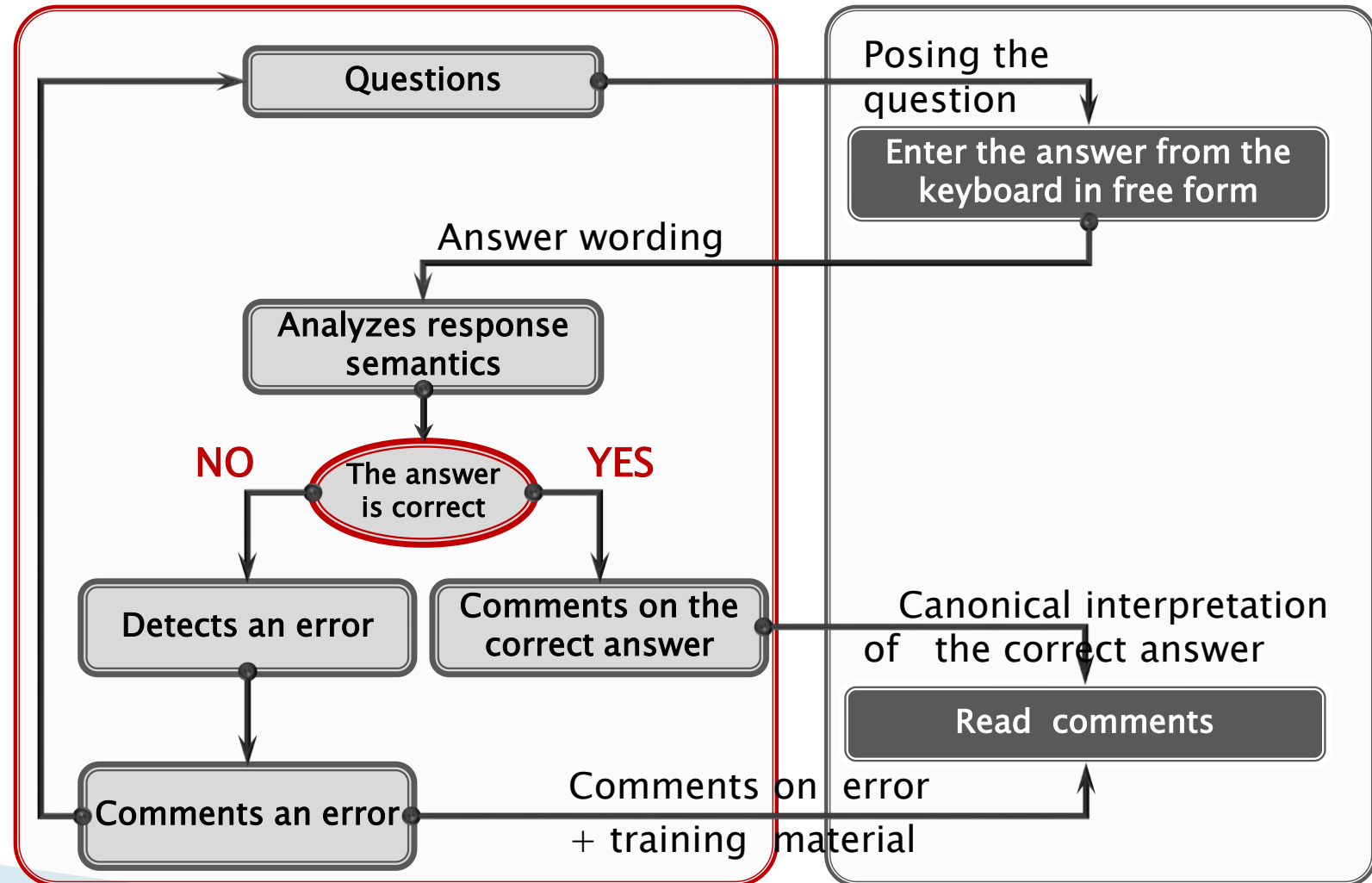
Development of guidelines and instructions



Technology of natural-language computer-based training dialogue(CBTDD)

CBTD SYSTEM

STUDENTS



Proposals for 2021 projects

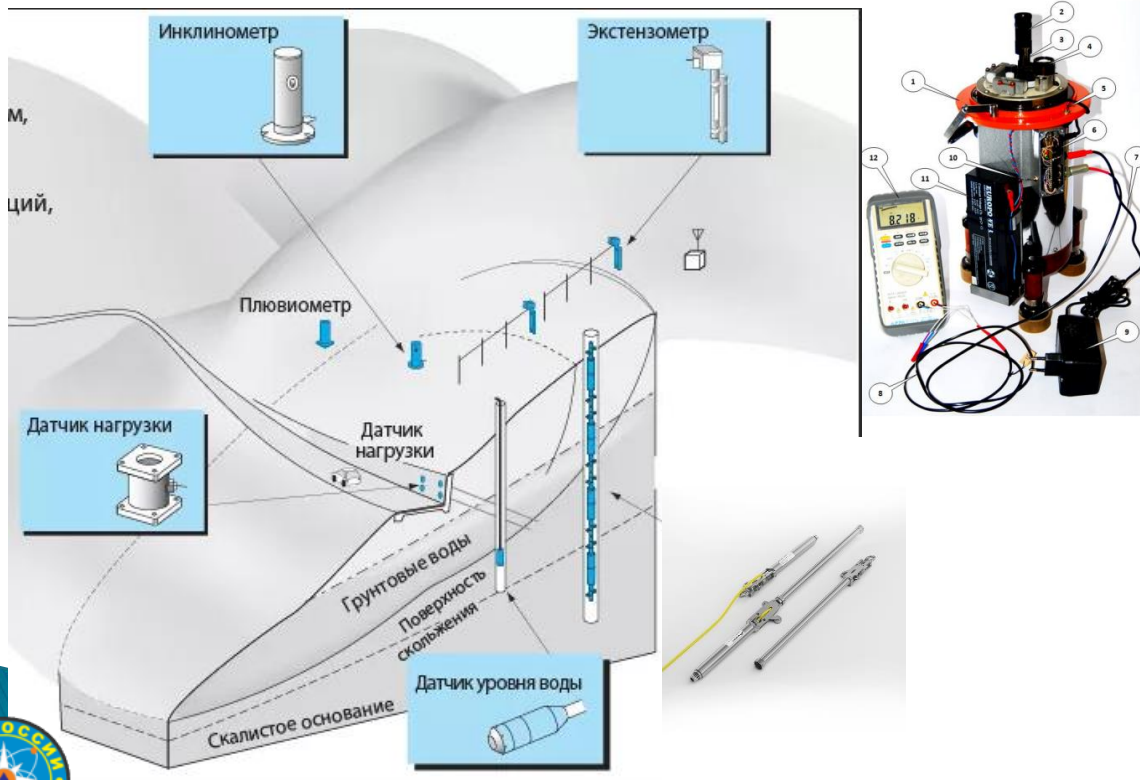
Continue development of digital information and education resource (portal) on the subject «Protection of the population in emergency situations»:

- ▶ Development of guidelines for the management bodies and the public in the field of emergency
- ▶ Development and implementation of a computer-based learning dialogue method in the process of creating electronic educational resources
- ▶ The development of educational content based on the principles and techniques of logic-informational learning technology
- ▶ Website launch

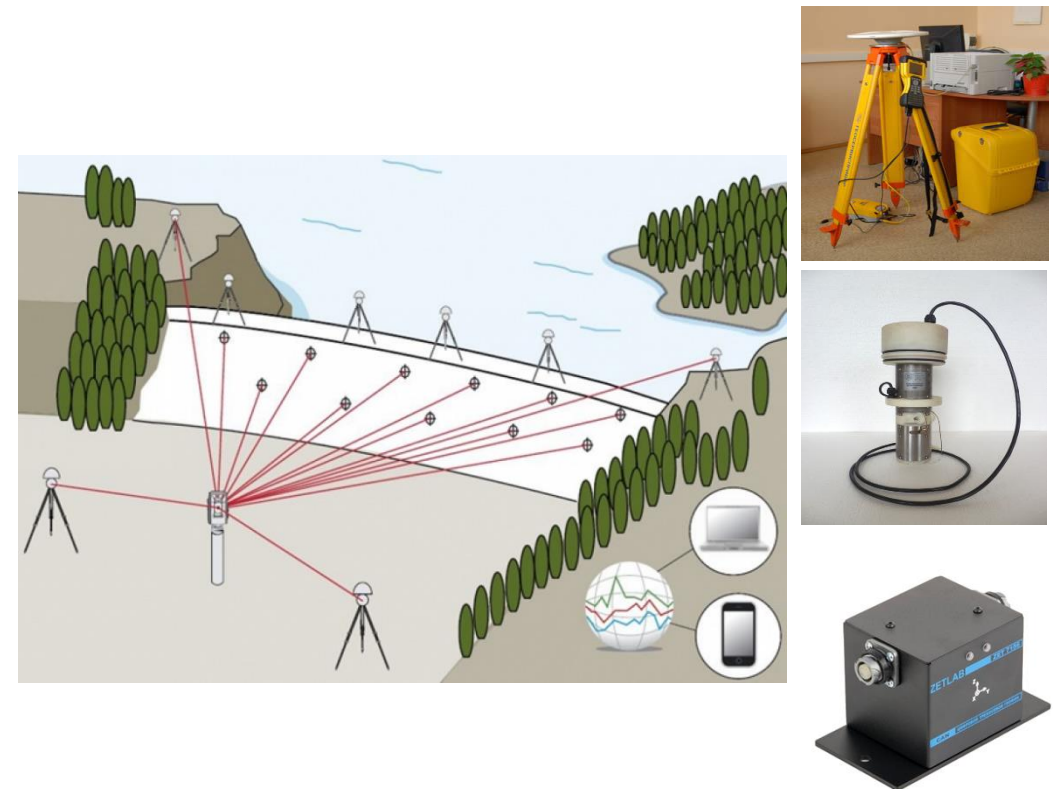


Operational testing and diffusion of innovative and cost-effective monitoring systems for the monitoring and early warning of geohazards affecting watersheds and critical infrastructures (for CERG)

Sensors and systems for monitoring sources of natural emergencies (landslides, mudslides etc.)



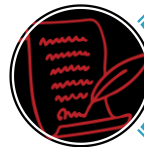
Sensors and systems for monitoring critical infrastructure (bridges, hydropower plant etc.)



Developing proposals for reflecting in the modern Constitutions the human and civil rights to secure safe life activities and protect life, health and property against emergencies (for ECRM)



Draft articles of Constitution



Draft amendment to articles



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