

Discover the Historical Munich Bridges through a Gamified Mobile Walk



**Citizen-centered disaster
preparedness**

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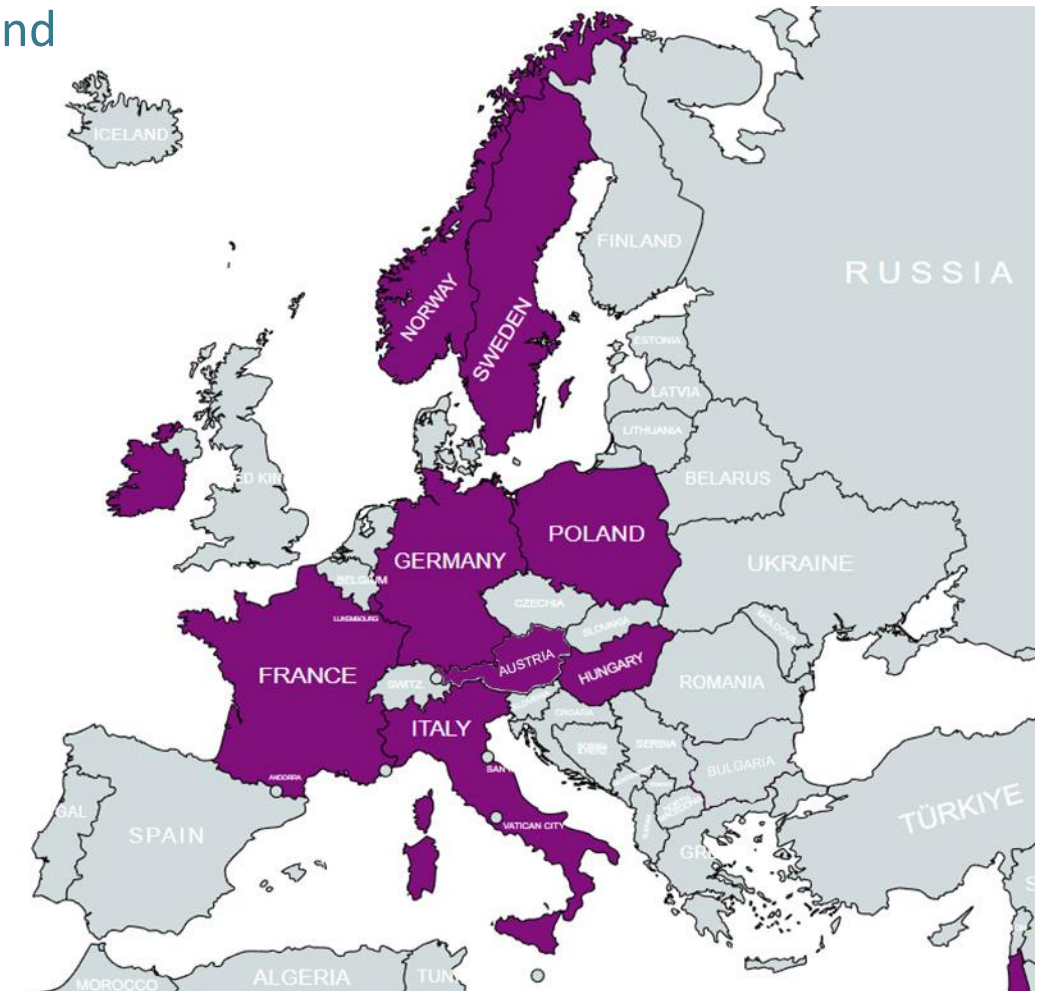
Building PREPAREDness with Collaborative Knowledge Platform, Gamification and Serious Game in Virtual Reality



A consortium of 15 partners from 11 EU Member States and associated countries across Europe.



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Why B-prepared?

Even the most advanced alert systems and first responder organisations cannot entirely avert fatalities and property damage.



It's crucial to **empower citizens with the knowledge and skills** needed to act and react effectively during disaster situations and crises, comprehend alerts, and follow instructions.



PLAN A IS THAT FIRST AND SECOND RESPONDERS
ARE COMING TO HELP YOU.

UNTIL THEN, YOU NEED TO HAVE A **PLAN B.**



B-prepared ecosystem

VR-PREPARED

Virtual Reality serious game for the safest near-real experience



IM-PREPARED

Gamified geocaching mobile app for the widest possible reach



DISASTROPEDIA

Knowledge Management System about disasters



RU-PREPARED

Learning Management System to measure progress across all types of applications





IM-prepared - product goal and statistics



To develop gamified mobile application called “IM-prepared” **teaching** disaster preparedness, providing **location-sensitive preparedness**-related content in **digital walks** in different **roles**.

18,450
app downloads



18
walks



45
walk versions



29
mini games



7
AR scenarios



Download the app



PARTNER INFORMATION ON YOUR MOBILE

- 1** **INSTALL IM-prepared application to your mobile device!**
 
- 2** **USE the “Participants” function to discover the B-prepared partners**
Hit the “Participants” button to get more information about the **“University of the Bundeswehr Munich”**
- 3** **Further information**
Project information and products, Thematic walks, Participants and offline city maps, Update contents



der Bundeswehr
Universität München



 <https://b-prepared-project.com> | <https://www.unibw.de>





IM-prepared components

Disaster preparedness content is provided through free, downloadable multimedia packages called “**walks**”.

Walks may consist of several **multimedia components**:

-  POIs (enriched with multimedia content such as texts, figures, movies, voices, links, etc.),
-  Navigation instructions,
-  Mini games,
-  AR games,
-  Routes,
-  Interactive maps.



Munich's Thematic Heritage Sites along the Isar

- Max-Joseph Bridge / Bogenhausen Bridge,
- Emergency Bridge Bogenhausen,
- **Luitpold Bridge,**
- Maximilianswerk Hydropower Plant,
- Museum Island,
- Reichenbach Bridge,
- Wittelsbach Bridge,
- Isar River Restoration.



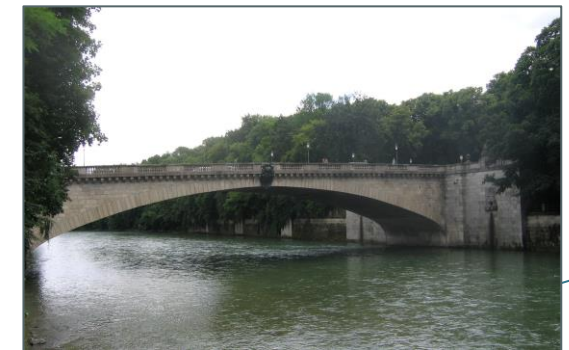
original bridge



after the 1899 flood



emergency bridge



new bridge



Walk versions

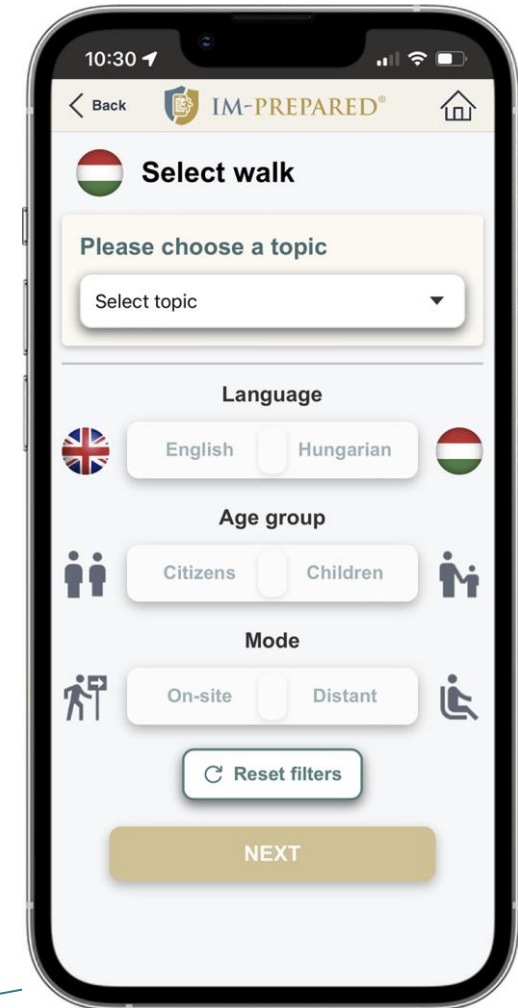
Walks may have different versions according to **language, role and mode.**

Walks can be available *in English and/or local language.*

Two roles are available based on age group:

- *Citizens - general walk version targeting all age groups.*
- *Children - for ages 11-14.*

Two modes are available: *on-site, distant.*





Walk modes

Guided mode

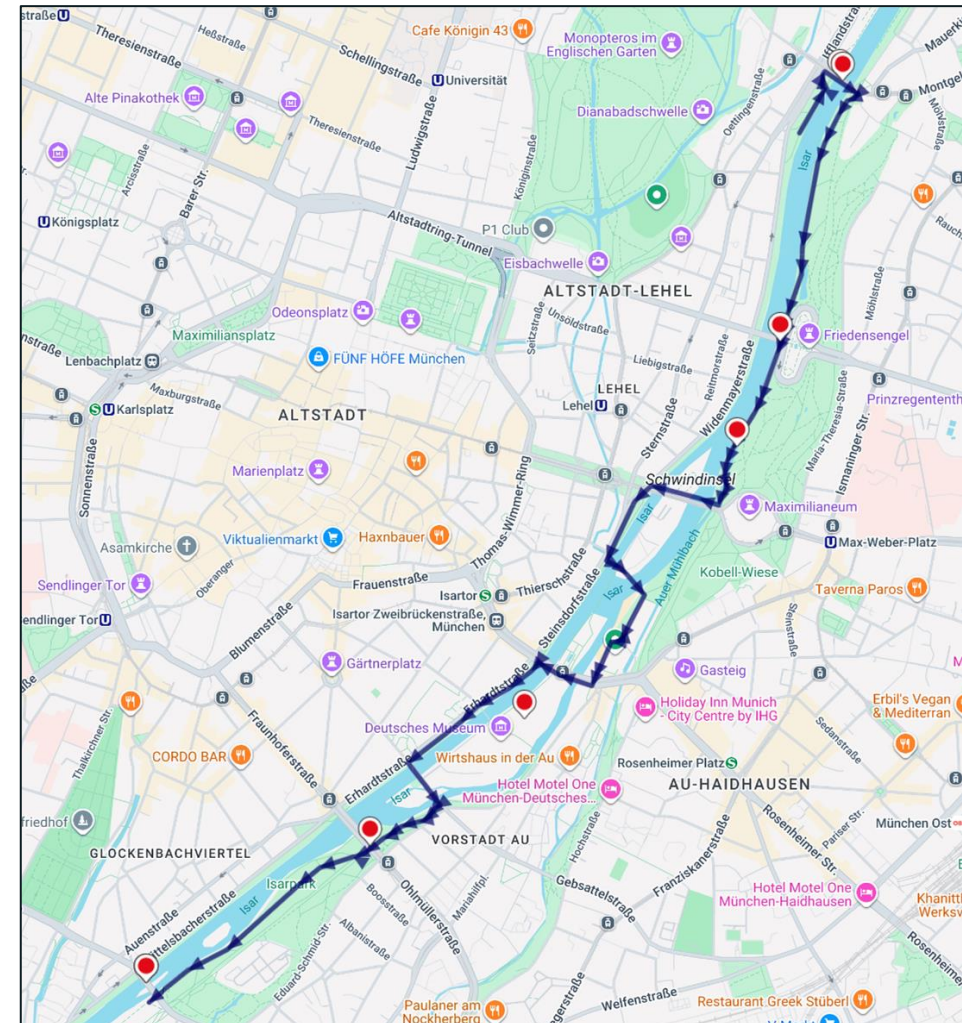
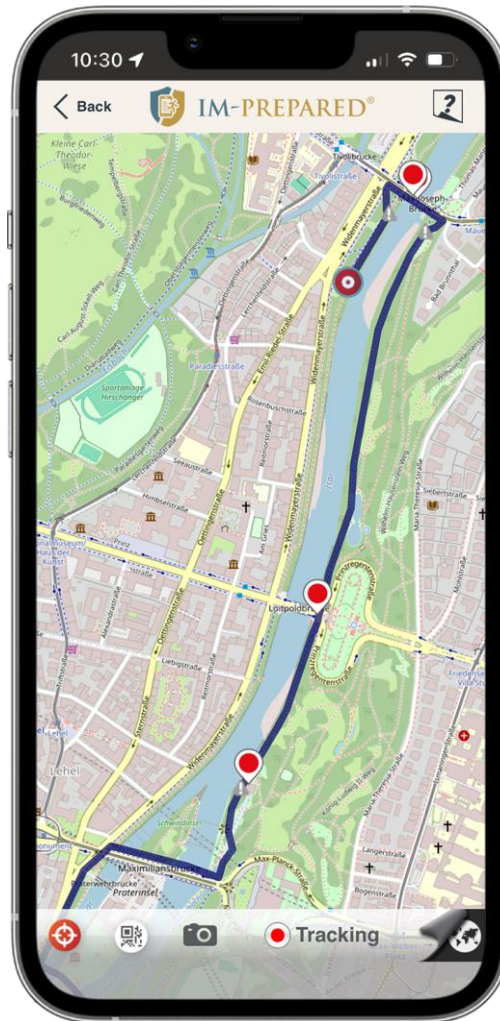
- navigate you along a **predefined route** supported by an **interactive map**;
- have a **starting point**, indicated by a flashing blue circle on the map;
- contain **POIs and navigation instructions**;
- recommended for **on-site** use;
- need to use the **location service (GPS)** running on your device;
- are **not available for all walks**.

List-based mode

- help to **explore the POIs by selecting them from a list in any order**;
- do not have a starting point;
- do neither contain a route nor navigation instructions;
- are primarily recommended for **remote use** (Distant mode);
- can also be used **on-site**, preferably with **GPS** support;
- are available for **all walks**.



“1899 Isar Flood in Munich” walk map

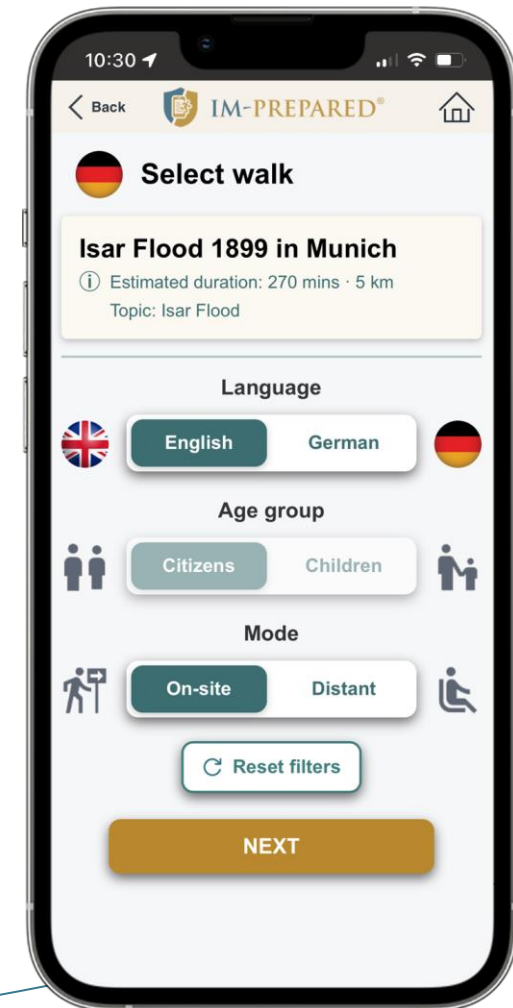




“1899 Isar Flood in Munich”

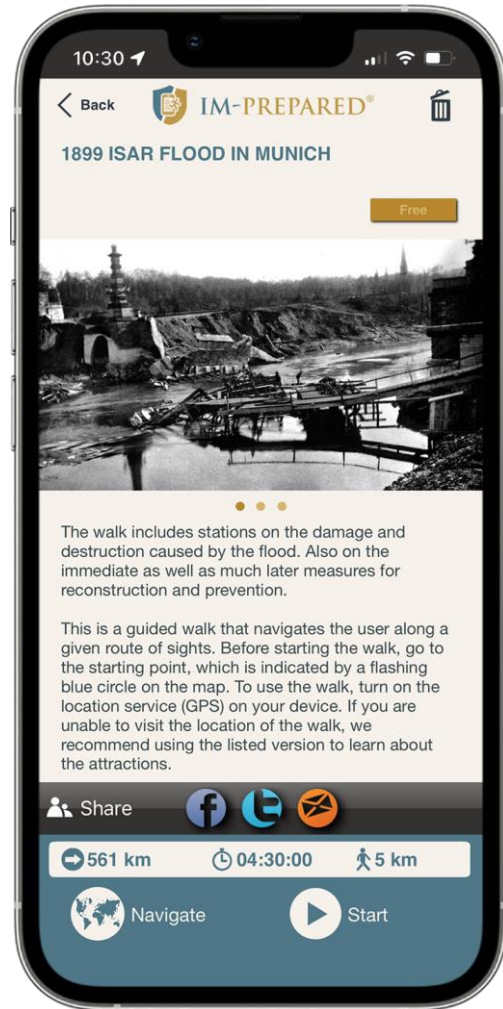
Walk versions (language, role, mode):

- English, Citizens, On-site,
- English, Citizens, Distant,
- German, Citizens, On-site,
- German, Citizens, Distant.





Walk demo

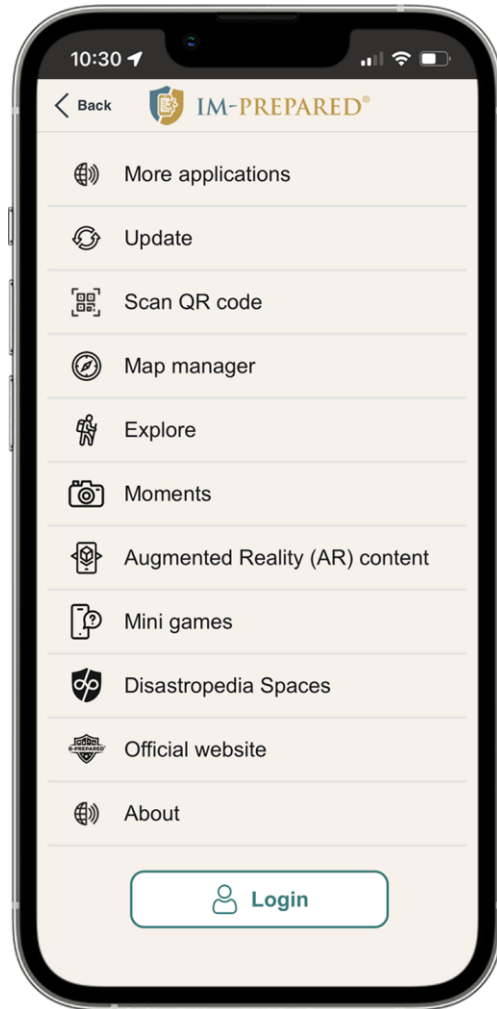


video

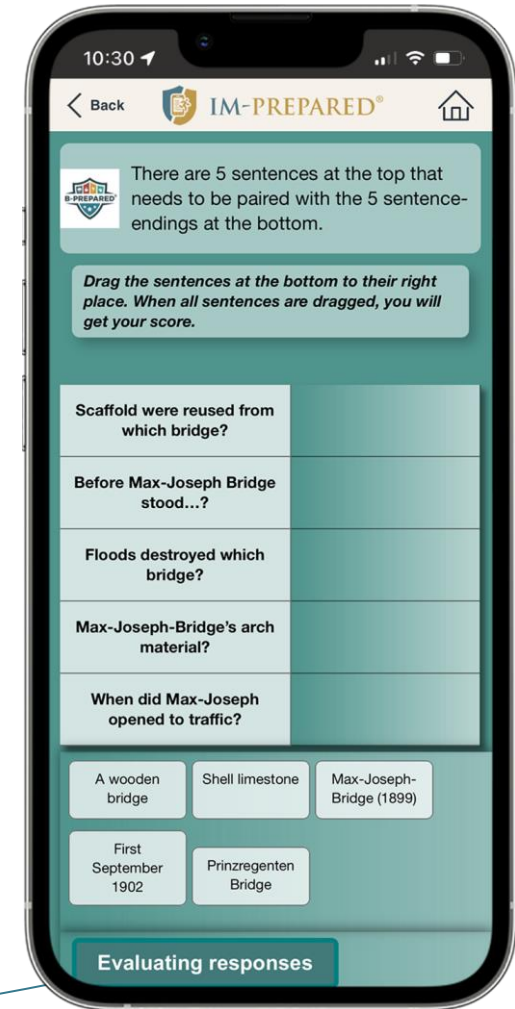




Minigames



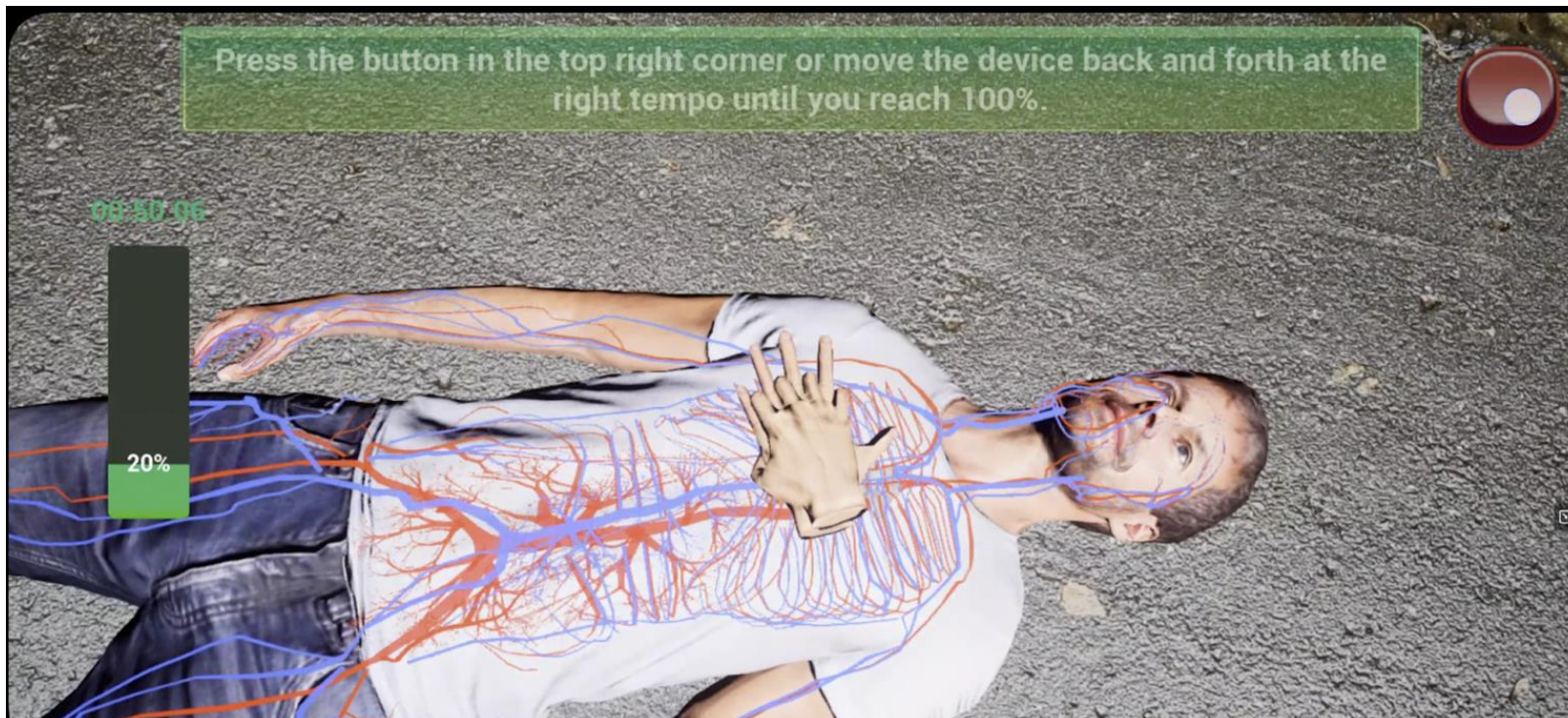
Game testing





AR simulation

- **Cardiopulmonary Resuscitation (CPR)**
Languages: EN, FR, HU, DE, NO





Evaluation



User ratings of overall satisfaction with the IM-prepared application

THANK YOU FOR YOUR ATTENTION!

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