



# OPEN CALL INFO WEBINAR

**SEPTEMBER 22, 2021**  
**13:30 CEST**



# THE WENET VISION

**Open Call Info Webinar 2**

*Online, 22/9/2021*

**Fausto Giunchiglia**

*WeNet Project Coordinator | University of Trento*

[WWW.INTERNETOFUS.EU](http://WWW.INTERNETOFUS.EU)



**WENET CONCEPT**

# Concept



**Diversity** is pervasive in our everyday life and technology, despite its evolution, still cannot develop and maintain the social relationships that transcend geographical and cultural backgrounds.

WeNet addresses this gap by providing a **diversity-aware, machine-mediated paradigm of social relations**.

The goal is **connecting people** that can support each other, and the key is **leveraging their diversity**.

# Concept



The WeNet paradigm includes a family of computational diversity-aware models supporting social relations, such as:

- A diversity-aware **profile building** via machine learning on users' behaviors
- A diversity-aware **search** of these profiles to connect the "right" people together.
- A diversity-aware **alignment mechanism** to support people's interactions
- A diversity-aware **incentive mechanism**

The entire paradigm is developed taking into consideration ethical and privacy guidelines.

The WeNet platform will be the basis of a series of studies within universities worldwide with diverse student populations to improve students' quality of life inside and outside the academic environment.

The WeNet consortium will develop a research infrastructure to exploit the project results and strengthen the European innovation eco-system in a worldwide perspective.



# WENET OBJECTIVES & PILOTS

# WeNet Objectives



The main overall goal of WeNet is to develop the culture, science and engineering, methodologies, algorithms, social interaction protocols and an online platform which will empower machine-mediated diversity-aware people interactions.



O.1) Development of the **science**, **methodology** and **algorithms** empowering **machine mediated diversity-aware people interactions**.



O.2) Development of the **WeNet online platform**, integrating and consolidating the implementation of the methods and tools developed as part of Objective O.1



O.3) Large scale **Smart University** pilot trials in 18 different University and adult school sites and involve 10,000 participants.

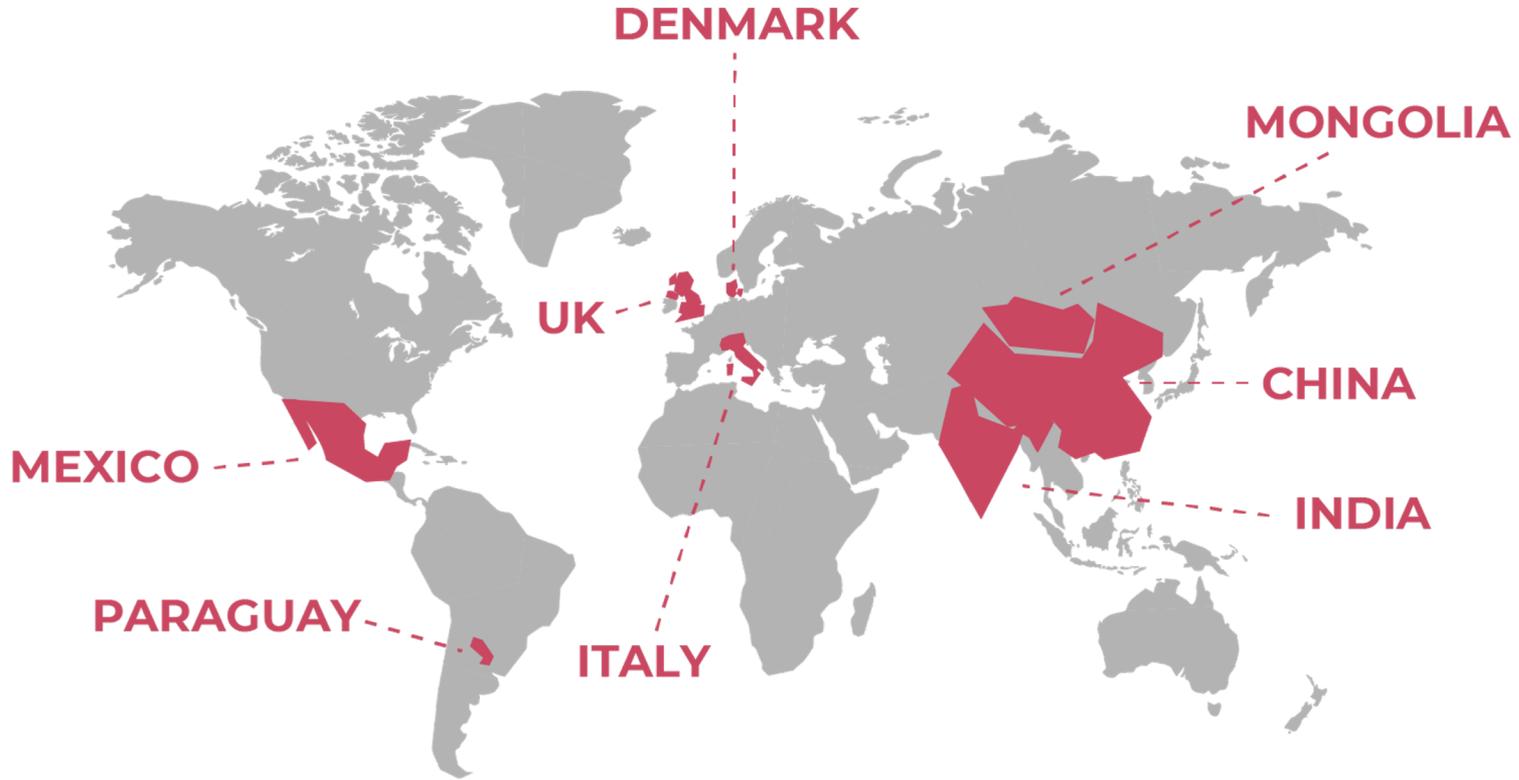


O.4) Community building (via a **research infrastructure**) which will expand from the consortium to all institutions worldwide



O.5) Ensure a **clear ethical guidance** for the **technology development** and the **pilot activities**

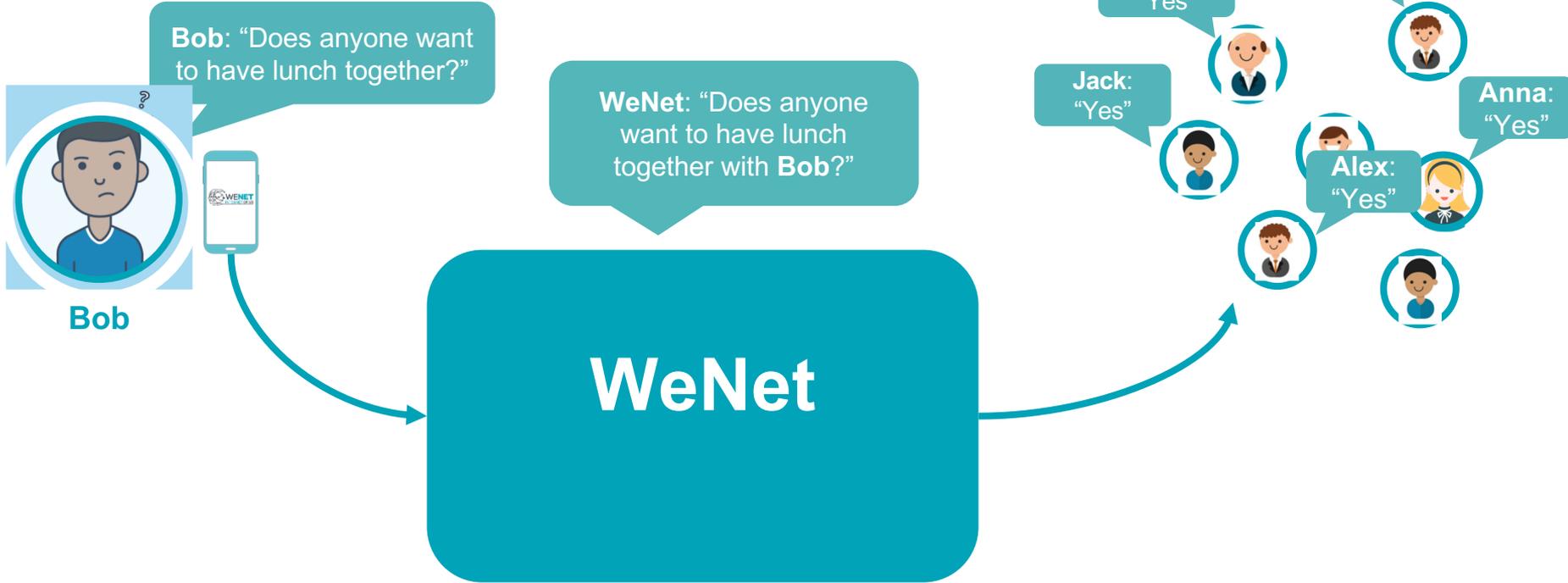
# Pilots



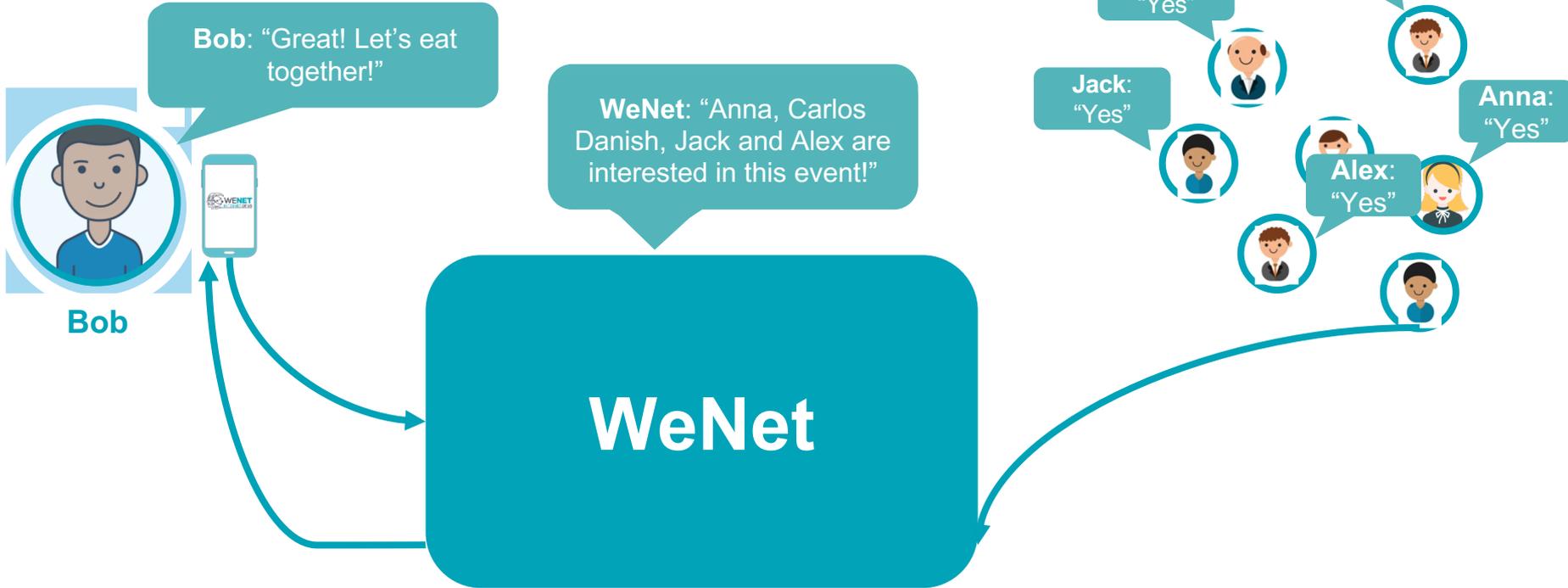


# SCENARIOS

# Motivating Example



# Motivating Example



# Motivating Example

## WeNet

Search the Unknown

Incentives

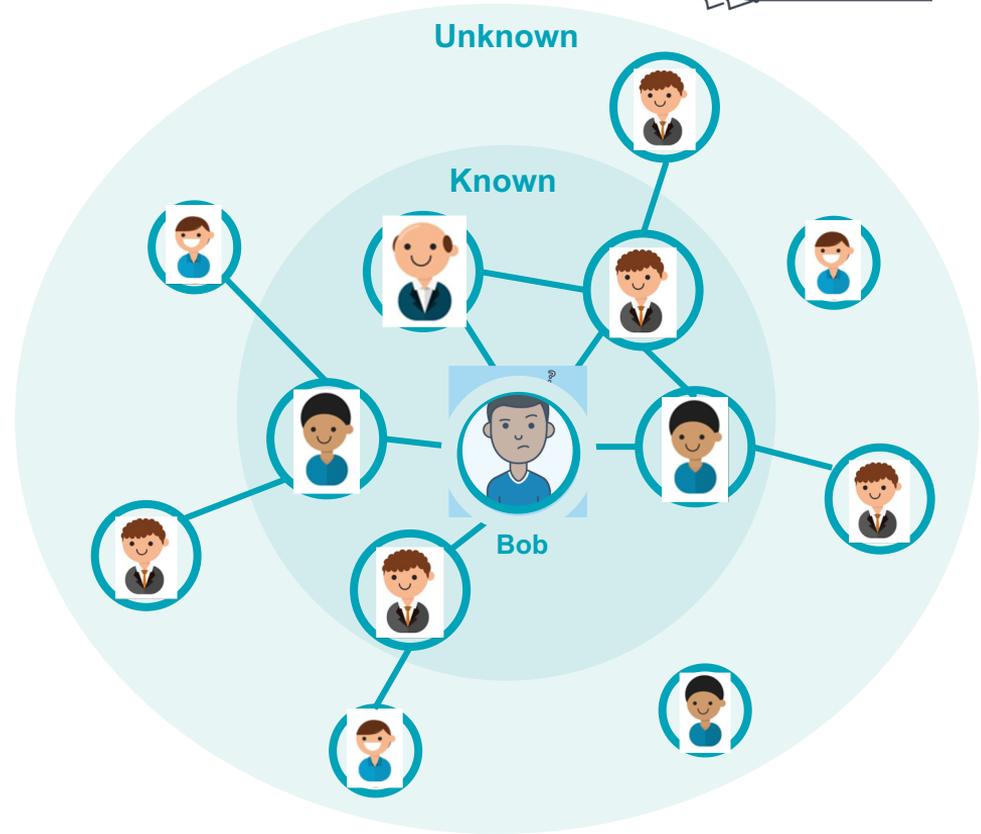
Interaction Model

Situational Context

Conversational Context

Diversity

Ethics



# Motivating Example

## WeNet

Search the Unknown

Incentives

Interaction Model

Situational Context

Conversational Context

Diversity

Ethics

WeNet: "Does anyone  
want to have lunch  
together with **Bob**?"

## WeNet Incentives



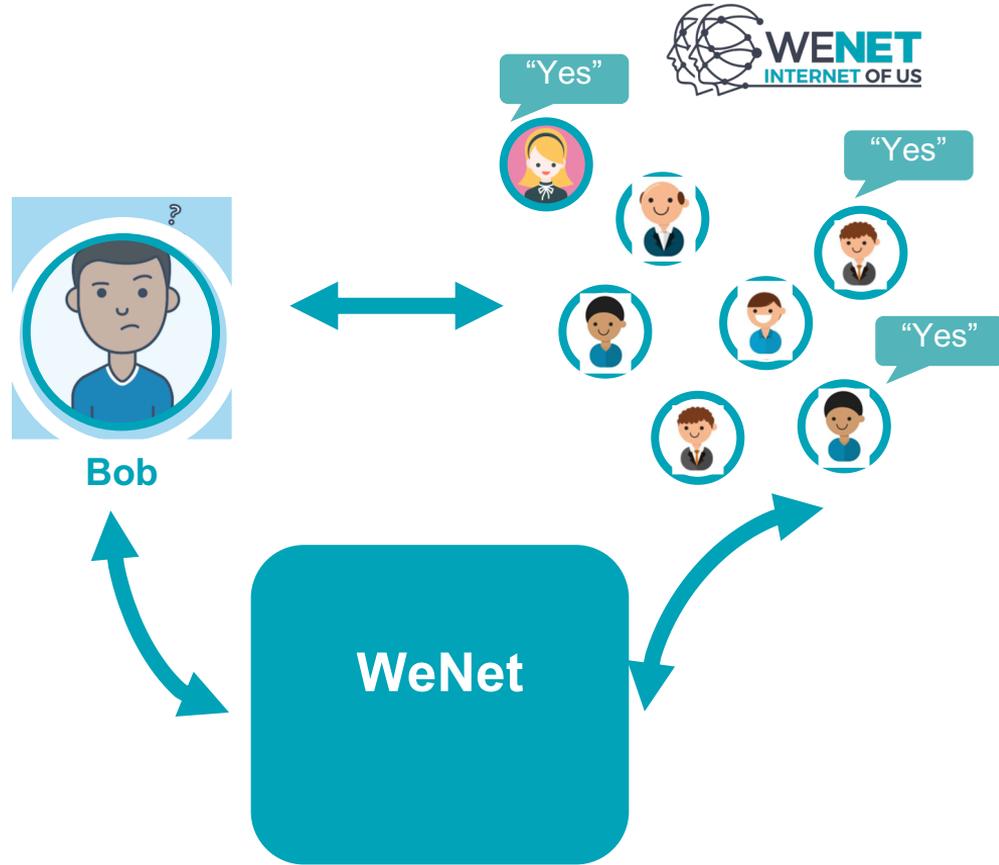
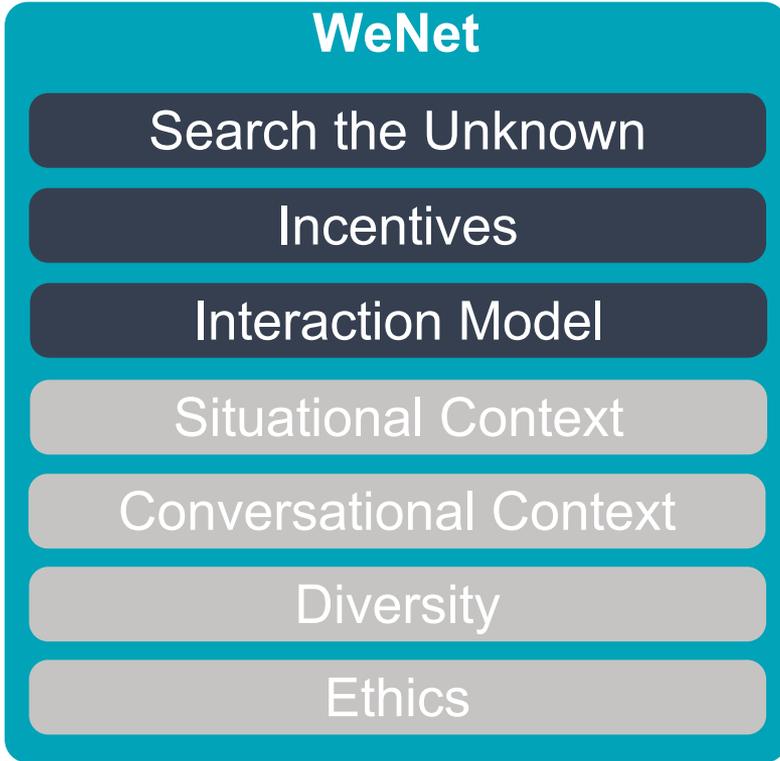
Carlos:  
"Yes"



Anna:  
"Yes"



# Motivating Example



# Motivating Example

## WeNet

Search the Unknown

Incentives

Interaction Model

Situational Context

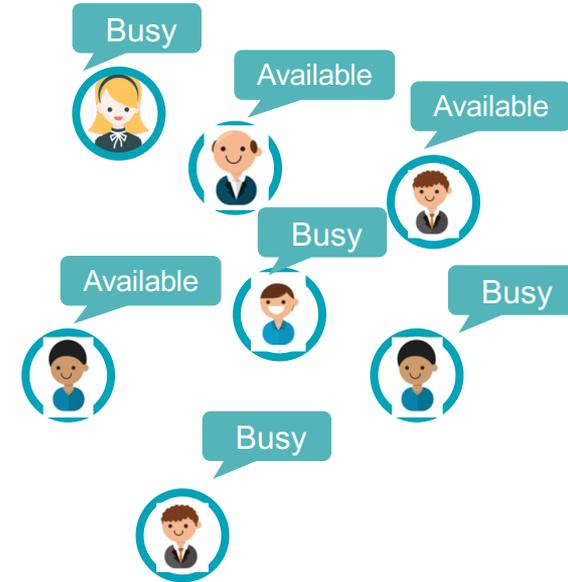
Conversational Context

Diversity

Ethics



Bob



# Motivating Example

## WeNet

Search the Unknown

Incentives

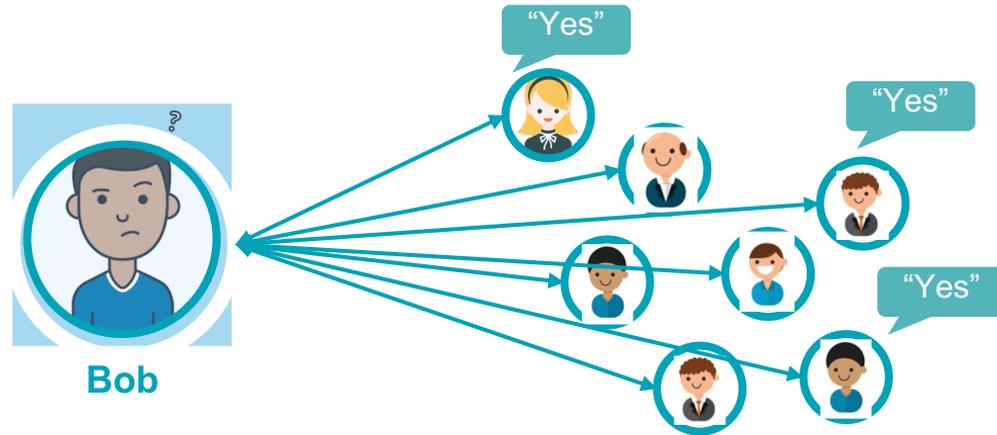
Interaction Model

Situational Context

Conversational Context

Diversity

Ethics



# Motivating Example

## WeNet

Search the Unknown

Incentives

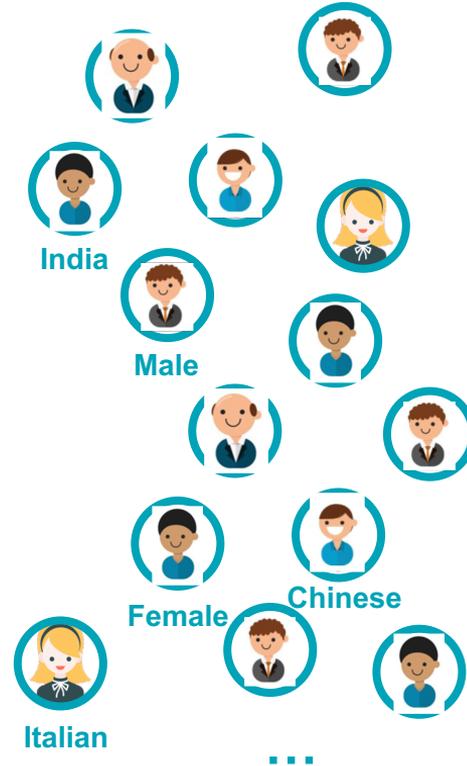
Interaction Model

Situational Context

Conversational Context

Diversity

Ethics



## Diverse in:

### Visible properties:

Gender  
Nationality  
Age  
Role  
...

### Deep properties:

Personality  
Culture  
Competence  
...

# Motivating Example

## WeNet

Search the Unknown

Incentives

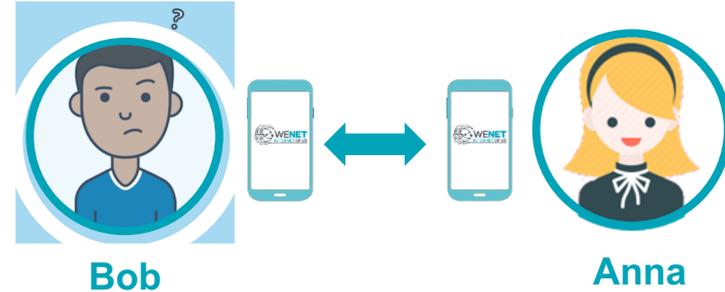
Interaction Model

Situational Context

Conversational Context

Diversity

Ethics



## WeNet

Private  
Profile

Public  
Profile

Ethics (gender,  
Nationality...)

# More Scenarios

Physical Activity/Mobility	Get an answer	<i>Can someone who is nearby walk and check if the library is still open?</i>
	Help me move	<i>Can someone help me move my stuff to my new apartment?</i>
	Walk me home	<i>Is any student driving in the same direction to share a ride?</i>
Food and Nutrition	Let's eat together	<i>Can we coordinate cooking (and then eating) a meal together?</i>
	Food purchase	<i>Can anybody buy me a healthy snack?</i>
	UNI healthy eating	<i>Can the university student office call for ad-hoc groups who want to participate in a communal soup making?</i>
	UNI food waste	<i>Can the university student office call for ad-hoc groups who want to participate in a food recuperation challenged?</i>
Time Management	Fill the gap	<i>There is a bunch of footballers free now. Are you interested in playing football with them?</i>
	...	...

# Consortium





# The WeNet Open Call

**Open Call Info Webinar 2**

*Online, 22/9/2021*

**Daniele Miorandi**

*U-Hopper srl*

[WWW.INTERNETOFUS.EU](http://WWW.INTERNETOFUS.EU)

Background Image



**Why an Open Call?**

# Objectives of the WeNet Open Call



Main objective: *to extend the impact of the WeNet project*

How?

- By involving additional institutions
- By exposing a larger number of individuals and communities to the WeNet vision and tool
- By increasing the diversity in terms of communities of users and data collected
- By collecting further data to feed the WeNet Research Infrastructure (RI)
- By collecting feedback from early adopters on the usability, usefulness, and ethical implications of the WeNet platform and RI.
- By fostering the creation of a community of innovators around the WeNet platform

# Why applying?



- Up to 50k€ in funding
  - No equity
- Access to WeNet platform and apps
  - Online instances, source code
  - Save time and costs
- Access to knowledge & competences
  - WeNet consortium & larger community



## Key dates & figures

# Financial support



- Total funding available: 250k€
- Maximum funding per application:
  - Track A (App): 50k€
  - Track B (Data): 25k€
  - Track C (Open Track): 50 k€
- Financial support covers direct costs (personnel, equipment, travel) related to the execution of the project + 25% OVH flat rate
  - Standard H2020 rules apply

# Duration of projects

Maximum duration of funded projects:

- Track A (App): 6 months
- Track B (Data): 4 months
- Track C (Open Track): 6 months

# Key dates

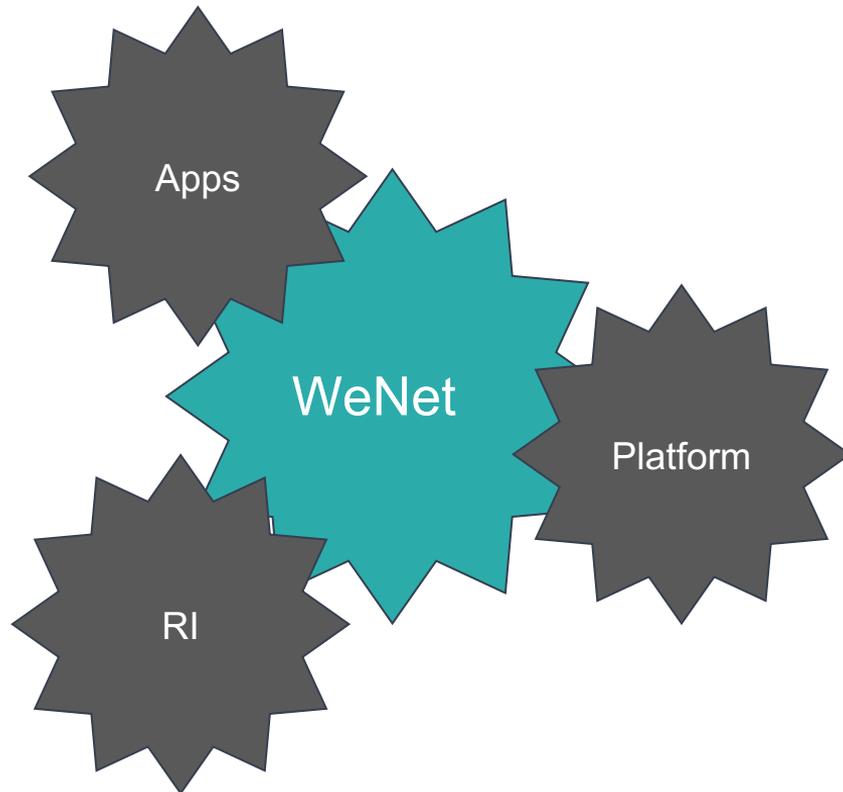


- Submission deadline: 30/9/2021
- End of evaluation period: 31/12/2021
- Expected kick-off of projects: 1/2/2022

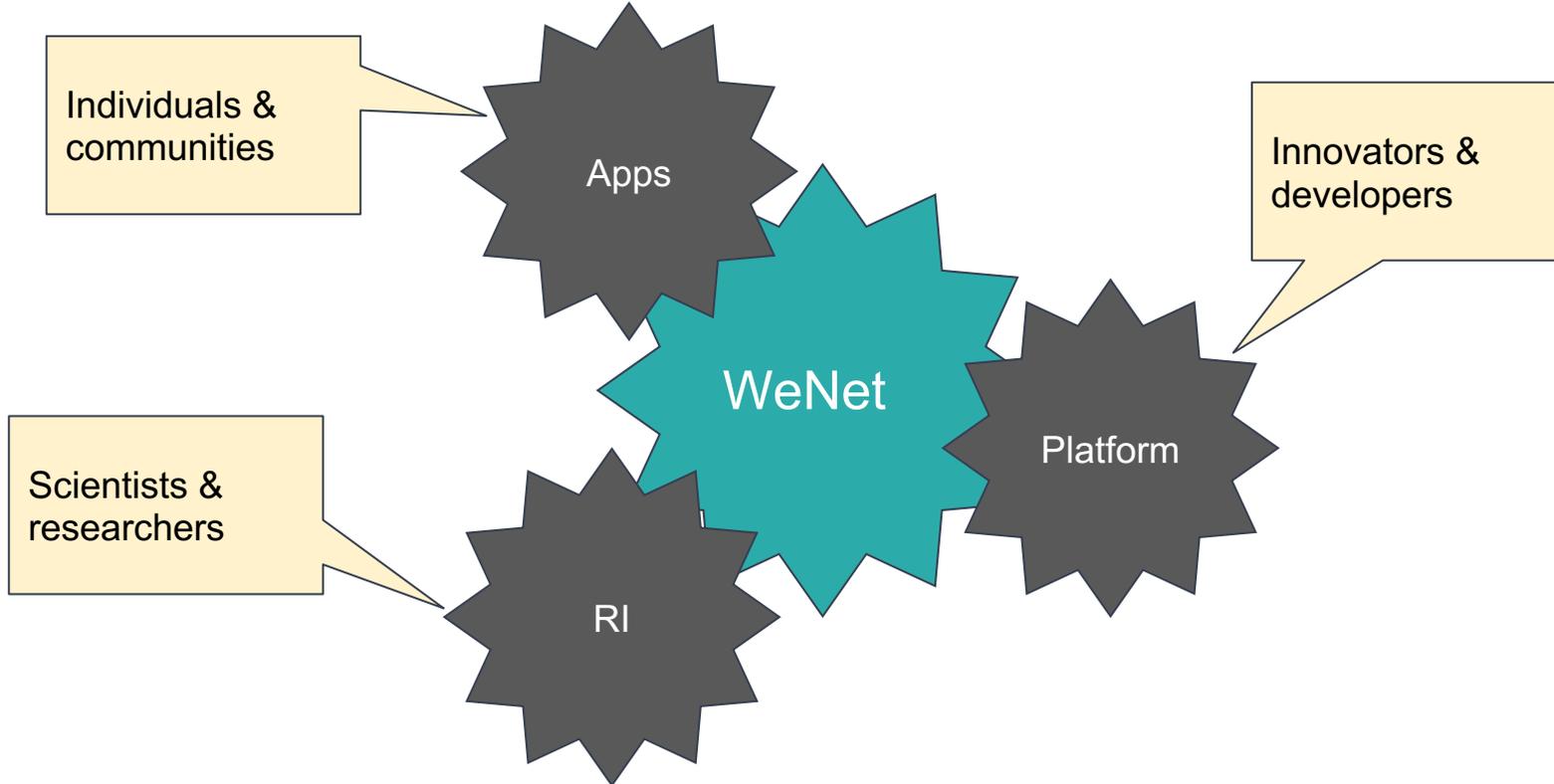


# The WeNet technology

# WeNet Tech - Overview



# WeNet Tech - Users



# The WeNet platform

- A set of modular, interoperable, open software components enabling the fast development and deployment of diversity-aware applications
- It supports a plurality of applications (mobile, web or chat apps)
- Applications by registered developers interact with the platform through a set of purposeful APIs
  - Production version maintained by the WeNet consortium

# The WeNet platform /2

- Applications can also be used for connecting to third-party services for collecting relevant data on user behaviour, including but not limited to, mobile phone sensors (through a mobile app), calendar applications, social media streams, open data portals etc.
- Data streams from said third-party services and applications are used - by means of advanced AI/ML methods and algorithms, to personalise the user experience and to properly account for diversity dimensions.

# The WeNet apps

- The **Ask4Help chat application**: allows WeNet users to ask questions to the community, answer open questions and approve the best provided answer for each question. It works on Telegram and has been piloted in Italy, Denmark, UK, Mongolia and Paraguay.
- The **iLog context and behaviour monitoring app**: monitors the user context and behaviour, by accessing datastreams from a number of mobile phone sensors and events. iLog works on Android devices and is accessible on Google Play Store.
- The **diversity survey app** has been designed to allow the construction of a diversity profile for WeNet users. The diversity survey app includes a large number of questions (100+), whose answers are processed to elaborate relevant dimensions of the user profile.

# The WeNet research infrastructure (RI)



The WeNet Research Infrastructure (RI) is both an e-infrastructure and a set of procedures and guidelines aimed at managing the full life-cycle (collection, processing, storage, access, analysis) of data generated within WeNet experimental activities



# What WeNet is funding

# Tracks & types of projects



The Open Call accepts applications under 3 different tracks:

- **Track A (App)** - Develop a new use case, a new app and run an experiment (collect data)
- **Track B (Data)** - Re-use an existing WeNet app and run an experiment (collect data)
- **Track C (Open)** - This is a free track, where proposals that do not fit Track A or B, but are relevant for the Open Call scope, can be submitted.

# Track A - App



Develop a new app/use case (i.e., a use case not already developed and tested within the WeNet project)

- Use the WeNet platform for app development: the proposed app must use the WeNet platform APIs
- Bring a community of users (indicatively at least 50 new users to be brought by the applicant)
- Run a pilot experiment with said community of users
- Collect experimental data, anonymize it and make it available for inclusion in the WeNet research infrastructure under a CC+ licence

# Track B - Data



Reuse an existing WeNet app and bring a community of users (indicatively at least 200 for quantitative studies and 20-50 for qualitative studies)

- Feed anonymized data into the research infrastructure under a CC+ licence

# Track C - Open Track



The expected results should be relevant to the scope and goals of the WeNet project. No further requirements are foreseen for this track.

# Additional details



- WeNet follows an integrated ethics approach and it uses participatory and value sensitive approaches. It is strongly recommended to adopt an ethical perspective throughout your proposed activities
- The WeNet platform and the existing WeNet Apps will be provided to the selected Applicant by the relevant member of the WeNet Consortium, which will act as data processor. The applicant will act as data controller for any personal data being collected throughout experimental activities with users. Please consider this in the GDPR section of the proposal

# Additional details /2



- Feeding the WeNet Research Infrastructure is a focal point of tracks A) and B). It is mandatory to spell out how the data collected will be anonymized
- The CC+ licence (under which collected data will be made available to WeNet) denotes the combination of a CC official license (unmodified and verbatim) + another separate and independent agreement, which shall include the right to adapt, remix, distribute the updated data and to impose additional or different terms or conditions to recipients when data are distributed through the research infrastructure



**Additional material  
on WeNet  
technology**

# The WeNet platform report



On the project website, you can find a document (D6.3) which describes in detail the current status of the platform

**RESOURCES → DELIVERABLES → D6.3**

It includes links to all technical documents, open source code and docker images



Grant Agreement No.: 823783  
Call: H2020-FETPROACT-2018-2020  
Topic: H2020-FETPROACT-2018-01  
Type of action: RIA



## D6.3 WENET PLATFORM v.2.0

Revision: v.1.0

Work package	WP 6
Task	Task 6.2, 6.3, 6.4
Due date	30/06/2021
Submission date	25/06/2021
Deliverable lead	UH
Version	1.0
Authors	Bruno Rosell i Gui (CSIC) Isidoros Perikos (OUC) Christos Michael (OUC) William Droz (DIAP) Avi Segal (BGU)

# The WeNet online course



An online course covering the various aspects of the WeNet project and results

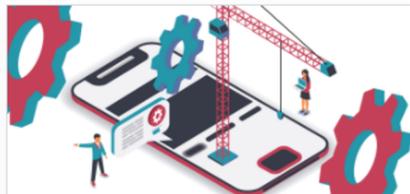
Track 3: using the platform to develop diversity-aware apps (including hands-on and examples)

Freely accessible at <https://elearning.internetofus.eu/>

**RESOURCES → eLEARNING PLATFORM → TRACK 3**



## Available courses



### Track 1: The WeNet Basic Notions

An introduction to the basic scientific and research notions which are core to the WeNet vision



### Track 2: The WeNet Research Infrastructure

This course will introduce the learners to the WeNet research infrastructure and will teach how to organize data collection campaigns that are able to, securely and in a privacy-aware way, generate diversity preserving datasets. How to prepare, analyze and catalog these datasets for the previous purposes will also be introduced and demonstrated.



### Track 3: The WeNet Platform: How to develop diversity-aware apps with WeNet

This course will introduce the learners to the WeNet Platform and includes technical information on how to build applications on top of the WeNet Platform. Learners get to know how to build diversity-aware applications. The WeNet consortium developed a set of technology enablers allowing software developers, researchers, innovators and



### WeNet Data Protection Forum

The **Data Protection Forum (DPF)** gives WeNet researchers, developers, and students the opportunity for intensive and substantive exchange on questions of privacy and data protection. This online course invites WeNet researchers to start the conversation. It is a platform where we can collect questions and problems on privacy and data



# HOW TO APPLY

**Open Call Info Webinar 2**

*Online, 22/9/2021*

**Giulia Tosato**

*U-Hopper*

[WWW.INTERNETOFUS.EU](http://WWW.INTERNETOFUS.EU)

# How to apply 1/6



- Download the supporting material (<https://www.internetofus.eu/open-call-info-page/>)
  - Guidelines for applicants
  - Proposal template
  - Privacy policy
  - Subgrant agreement template
  - Final report and financial report

# How to apply 2/6



- Check if your organisation meets all the eligibility criteria
  - Types of Applicants (not open to individuals)
  - Eligible countries
  - Language (English)
  - Submission system
  - Absence of conflict of interest
  - Double funding
  - Do not miss the submission deadline (30th September 2021)

# How to apply 3/6



- Read the technical material
- Watch the WeNet video courses <https://elearning.internetofus.eu>
- [Use the proposal template and follow the guidance text](#)
- Fill the submission form on the website:  
[\(https://www.internetofus.eu/open-call-submission-form/\)](https://www.internetofus.eu/open-call-submission-form/)
- Upload the proposal in PDF format
- Do not miss the submission deadline (30th September 2021)

# How to apply 4/6



- [Use the proposal template and follow the guidance text](#)
- Fill the submission form on the website:  
(<https://www.internetofus.eu/open-call-submission-form/>)
- Upload the proposal in PDF format

# How to apply 5/6



- Important things to be considered before applying:
  - The person submitting the proposal must be empowered to represent and commit the applying legal entity
  - Only one proposal will be accepted per legal entity
  - The proposal must not violate IPR of third parties

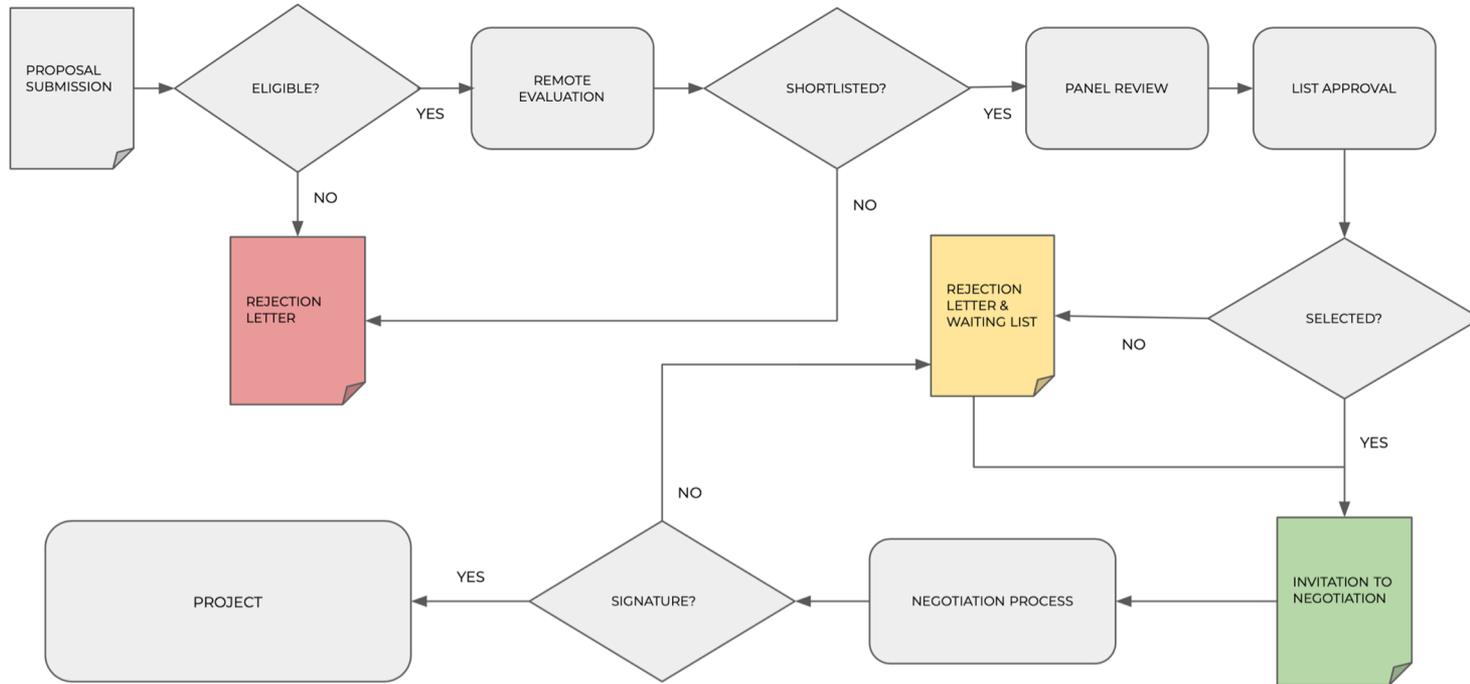
# How to apply 6/6



## Support during the application period

- Helpdesk: [opencall@internetofus.eu](mailto:opencall@internetofus.eu).
- [FAQs Page](#)
- 2<sup>nd</sup> Open Call Webinar will take place in September
- Presentations and webinar video recording will be made available on the WeNet's website

# Evaluation process 1/4



# Evaluation process 2/4

## Stages:

- Proposal submission (**Use of Template is Mandatory**)
- Eligibility check
- Remote evaluation
- Panel review
- Approval of the list
- Communication of results
- Waiting list

# Evaluation process 3/4



## Negotiation:

- Legal existence
- Bank account ID form
- Subgrant agreement signature
- The selected applicant will be required to adhere to the [WeNet privacy guidelines](#) and ethic code

# Evaluation process 4/4

Description	Indicative dates
Call Launch	12 July 2021
Submission Deadline	30 September 2021
End of the evaluation period	31 December 2021
End of the negotiation process	31 January 2022
Expected kick off of the projects	1 February 2022

# Reporting 1/1

- Final Report (Use the proposal template and follow the guidance text);
- Financial report (Reporting the necessary effort and costs according to H2020 rules and management practices is a condition of funding).

## GET IN TOUCH



Website

[www.internetofus.eu](http://www.internetofus.eu)



Email

[info@internetofus.eu](mailto:info@internetofus.eu)



Twitter

[@WeNetProject](https://twitter.com/WeNetProject)



WeNet project is funded by the EU's Horizon2020 programme under Grant Agreement number 823783.



# THANKS FOR YOUR ATTENTION