

OPEN INNOVATION PROGRAMME

# AI for Impact: The Programme for Changemakers



# AI for Impact: Learning & Developing

## Phase 1: AI learning programme

October 2024 – April 2025



We show how you and your team can leverage AI for the common good. In 5 Chapters and several Deep Dive, we cover the areas of inclusion, democracy, climate, education, health, and the circular economy.

**More than 65.000 already trained!**

## Phase 2: Developing AI prototypes and MVPs

April 2025 – May 2025



We define the challenges in cooperation with our Challenge Partners. We analyse and optimise relevant data. AI experts from our volunteer network develop AI-based prototype solutions.

## AI for Impact: The programme for changemakers - second edition.

This is not just another programme; it is a space where changemakers from all backgrounds of life come together to co-create real solutions for real-world challenges.

With the support from previous partners such as **Berlin Recycling**, **AI4 Democracy**, **Päritastiche**, or the **City of Moers** from our previous edition, and partners that continue with us such as **Microsoft** and **Capgemini** for this edition.

 **Impact in real life - this isn't theory!**



# AI for Public Impact: Creating AI Solutions for Real-Life Challenges

We are joining forces with the most innovative players from the tech scene, civil society, the open-source community, and applied research to tackle specific challenges from our partner organisations leveraging the AI revolution for the common good.

We are rethinking the future of open innovation programmes—from competitive thinking to mastering co-creation.

Together we create new solutions and extend impact initiatives with technology, infrastructure and hands-on expertise, setting new standards.

Teams work on real projects—from digital family support to circular construction in Germany—creating tech solutions that make a difference. Together, we are not just learning about AI.

**We are using it to shape a better future.**



# Our Programme Partners



Bundesinstitut  
für Bau-, Stadt- und  
Raumforschung  
im Bundesamt für Bauwesen  
und Raumordnung



AI for Impact is an open innovation programme designed to provide project teams with the right resources and mentorship to create AI-enabled solutions to address real-life challenges and to generate meaningful social impact. The outcome of the programme will be a prototype from each team to meet their challenge.



3rd March - 30th March

## Applications and Matching

Our participants register and will be matched to a team.



3rd April - 11th May

## Programme: Development Phase

Project ideas will be developed into tangible solutions with the support of expert sessions and mentorship. Participants will attend weekly webinars. The prototype solutions will be submitted by 11th May to the jury.



26 May

## Showcase Event at re:publica 2025

The jury will select finalists, who will be invited to present their proof of concept in front of an international audience of leading industry experts. The winner will then be chosen by all attendees at re:publica.



# Challenges





# AI for Impact Challenges:



## Transforming Digital Family Support in Germany

**Challenge:** Online counselling is effective but very resource intensive, causing delays in even the most urgent cases.

**Goal:** Develop an AI-powered chatbot that will reduce waiting times, streamline access to information, and free up experts for complex cases.

[READ MORE ABOUT THIS CHALLENGE](#)



## Circular Construction in Germany

**Challenge:** The construction industry drives 40% of global CO<sub>2</sub> emissions and generates over 30% of waste.

**Goal:** Create an AI-enabled MVP that streamlines the assessment of circular materials in building components, promoting sustainable architecture and reducing environmental impact.

[READ MORE ABOUT THIS CHALLENGE](#)



# Transforming Digital Family Support in Germany

## The Problem We are Tackling

The free online counseling from [Elternleben.de](https://www.elternleben.de) is highly effective, but as mentioned difficult to scale. Increasing demand has led to:

- ⚠ Response waiting times of up to two days.
- ⚠ Parents feeling overwhelmed by stress, time pressure, and information overload.

## The Solution: an AI-powered chatbot:

- Provides instant responses to frequently asked parenting questions.
- Guides users to relevant, expert-verified content and integrates with existing counseling services.
- Supports experts by handling repetitive inquiries, freeing them for more complex cases.
- Ensures accuracy and reliability through a quality assurance process.

By implementing conversational AI, we can make [Elternleben.de](https://www.elternleben.de)'s services more efficient, accessible, and scalable —so no parent has to wait for support.



## About the Challenge Partner

[Elternleben.de](https://www.elternleben.de) is a non-profit organization dedicated to provide support, guidance, and expert knowledge that parents need to create a loving and healthy environment for their children. Through trusted online counseling, educational content, and personalised programmes Elternleben.de ensures no parent navigates the journey alone.



wellcome

READ MORE ABOUT THIS CHALLENGE

# Circular Construction in Germany

## The problem we are tackling

The transformation to a more sustainable economy requires new dynamic circular processes in the building sector. The 'eLCA Circularity Index,' a web app (MVP) by BBSR, helps architects and sustainability specialists assess the circularity parameters of building components. This index measures a material's potential for reuse, recycling, or repurposing without major value loss. The current assessment process is:

- ⚠ Mostly manual.
- ⚠ Dependent on expert knowledge.
- ⚠ Lacking intelligent material suggestions and optimisations.

## The AI-powered solutions will

- Automate circularity assessments: Reduce manual input and improve accuracy.
- Expand material data scope: Allow assessment of a wider range of materials.
- Make the tool accessible to all expertise levels, clarifying material circularity and its role in sustainable construction.



## About the Challenge Partner

The [Federal Institute for Research on Building, Urban Affairs and Spatial Development \(BBSR\)](#) is a leading German research institute dedicated to sustainable development in construction, urban planning, and spatial research.



READ MORE ABOUT THIS CHALLENGE



# Programme Overview



# People and Roles



## Participants:

Volunteers come together in teams to work on a solution for one of the challenges. N3XTCODER builds the teams according to their skills and interests. Teams will work on one or more goals of the challenge as part of their solution. Teams get the opportunity to develop a solution prototype to one of the identified challenges.



## Experts:

Experts in the programme, are the people with specific knowledge and skills about a topic or area that is relevant to the participants. They will support the teams along the process according to the challenge partner's mission. Their availability will be on demand - when the teams need their support they will be able to book them for a consultation.



## Mentors:

Mentors will support 1 team during the full duration of the programme; they will guide teams to develop their concept, to clear ideas and doubts, and to help steer teams to find the right answers and resources. It is expected to have a 1-hour call per week with the mentor. Mentors are a critical part of the programme's mission.

Model Evaluation & Interpretability Vector Databases for Semantic Search

Conversational AI & Chatbot Development

Architecture

Circular Economy Principles

UX/UI Design Building Material Knowledge

Few-Shot Learning

Feature Engineering for AI Models

Python for Data Science Data Preprocessing & Cleaning Fine-Tuning Open-Source LLMs

Natural Language Processing Methodologies

Classification

Prompt Engineering

Database Management

Data Visualization Comparative Circularity Analysis

Data Labeling & Annotation Supervised Machine Learning

API Development

Environmental Impact Assessment MLOps & AI Deployment Cloud & Edge AI Deployment

# Programme Calendar

All dates with details and access are published in the AI for Impact calendar [here](#). You should have received an invitation to all sessions.

26th March

**AI for Impact Kick-off Event**

7th May

**Webinar** - AI Evaluation, Optimisation  
& Future Trends

9th April

**Webinar** - Navigating Digital Parenting in Germany: A  
Practical Guide for Support & Resources

Weekly

10th April

**Webinar** - Building Sustainably: A Practical Guide to  
Circular Construction in Germany

Weekly

**Checking with N3XTCODER team** on Tuesdays

**Mentoring Session**

14-20th April

**Programme Break** - Easter

11th May

**Pitch Submission**

23rd April

**Webinar** - Building Effective RAG Systems for Domain-  
Specific Knowledge

26th May

**re:publica 25**

*In person (optional)*

Join us at one of Europe's leading digital society  
conferences, where the finalists will showcase their  
solutions.

30th April

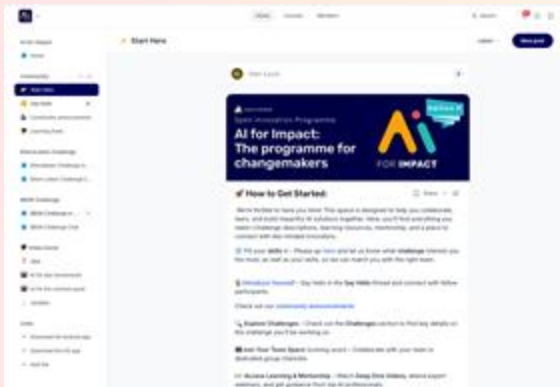
**Webinar** - Conversational AI Design: From Intent  
Classification to Multi-Turn Dialogues



# Community: What do You Get Access to?

## Community

Access to chats and information, as well as being in touch with all the participants. Main information, reminders and updates will be sent via the chat in this space.



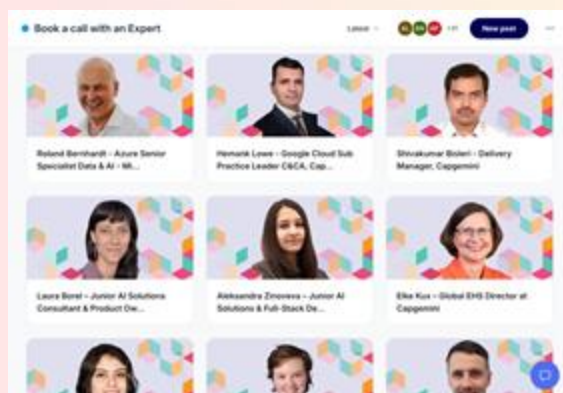
## Dedicated area: challenge and chat

This includes all the information about your challenge in a comprehensive format, a video about the data set, and all information that is not published on the website.



## Book a call with an expert

As part of the support you can get, you can also book a call with an expert to support you in certain areas or topics. In the dedicated area, you can find the list of experts and the fields they can support you with. You can book a call with them on demand.







# Experts & Mentors





# Capgemini



Unleashing human energy through technology for an inclusive and sustainable future

We are  
340.000+  
people

...in  
50  
countries

...representing  
120  
nationalities

Our commitment:

- Be carbon neutral by 2025
- Help clients save 10M tons of CO2 by 2030
- 5m people supported by our digital inclusion programmes by 2030



**Tanja Schmidt**  
People Unit Manager



# Capgemini – AI for impact



## Why we contribute:

At Capgemini, we believe in the transformative power of AI to drive positive impact.

By supporting the Challenge AI for Impact, we empower innovators to tackle real-world challenges with cutting-edge technology.

Through expert mentorship, domain insights, and technical guidance, we foster collaboration and accelerate the development of meaningful, scalable AI solutions.



## How we contribute:

- **Mentors** – Facilitate team processes and provide guidance on project management.
- **Domain Experts** – Support the ideation process and provide feedback on solution validation.
- **Technical Experts** – Assist with technical challenges and help refine technical solutions.
- **Jury** – Evaluate and assess your solutions, providing critical insights and final feedback.



## Showcase your solution:

Finalist will get the opportunity to pitch their innovation to 300+ Capgemini professionals in a high-impact Virtual Presentation.

Winners will have the chance to be Live on Stage at a Capgemini Convention: Presenting at an exclusive Capgemini event in one of our key locations.

Winners will get 10 hours of personalised mentorship with an experienced IT Consultant.

# Our Experts and Mentors



Expert

**Debarati Ganguly**  
Director, Capgemini



Expert

**Elke Kux**  
Global EHS Director,  
Capgemini



Expert

**Jörg Reschke**  
Senior Business Analyst,  
Capgemini



Expert

**Kimberly Mlitz**  
Lead Business  
Analyst,  
Capgemini



Expert

**Shivakumar Bisleri**  
Delivery Manager,  
Capgemini



Expert

**Hemank Lowe**  
Google Cloud Sub Practice  
Leader  
C&CA, Capgemini



Mentor

**Rucha Ghosh**  
Senior Manager,  
Capgemini



Mentor

**Marla Johnson**  
Lead Business Analyst,  
Capgemini



Mentor

**Lara Juraske**  
Lead Business Analyst,  
Capgemini



Expert

**Sebastian Vogel**  
Lead Business Analyst,  
Capgemini



Jury

**Tanja Schmidt**  
People Unit Manager,  
Capgemini



Jury

**Eldar Sultanow**  
CTO for Insights  
& Data, Capgemini



Coordination

**Virendra Pratap Singh**  
Senior Manager,  
Capgemini



Coordination

**Purojit Mitra**  
Senior Consultant,  
Capgemini



Mentor

**Maximilian Greiner**  
Associate Architect,  
Capgemini



Mentor

**Valentin Lange**  
Business Analyst,  
Capgemini



Mentor

**Dennis Binna**  
Lead Business Analyst,  
Capgemini



Mentor

**Till Busche**  
Lead Business Analyst,  
Capgemini

# Our Experts and Mentors



Jury

**Isabel Dietsch**

Project Manager, BBSR



Expert

**Aleksandra Zinoveva**

Junior AI Solutions & Full-Stack  
Developer, N3XTCODER



Expert

**Dina Padalkina**

Founder Circular Berlin -  
Built Environment



Jury

**Igor Rykhlevskyi**

Senior Marketing Manager,  
DACH at GitHub



Jury

**Ilisabe Campenhausen,**

Elternleben General Director



Expert

**Laura Borel**

Junior AI Solutions  
Consultant & Product Owner,  
N3XTCODER



Expert

**Simon Stegemann**

CEO, N3XTCODER



Expert

**Jonathan Moore**

CTO, N3XTCODER



Jury

**Muck Petzet**

Architect and Professor for  
Sustainable Design



Expert

**Roland Bernhardt**

Azure Senior Specialist Data &  
AI, Microsoft



# Breakout Rooms



# AI for Impact Breakoutrooms:



Transforming Digital Family Support in Germany



Circular Construction in Germany

You will be meeting with the representatives of your team's challenge. You have been assigned to one room where you will learn more about the challenge and have space for questions to the challenge representatives. You will also meet with a functional expert from Capgemini.

Total time - 90 minutes:

[Room 1: Transforming Digital Family Support in Germany.](#) With Luca Barbone and Federico Dionisi from Elternleben.de; and Aleksandra Zinoveva and Laura Borel from N3XTCODER.

[Room 2: Circular Construction in Germany.](#) With Isabel Dietsch and Claus Asam from BBSR, and Purcy Marte, Nikolas Heidner, and Coral Ruz from N3XTCODER.





## Open Q&A



**Build.**  
**Release.**  
**Run.**  
**Impact.**

DARE TO DEVELOP MORE THAN CODE



Thank you!