

HORIZON EUROPE · PARTNER PROFILE 2027

ROBBI CARE

The Missing Context Layer for Personal AI

Building the Life-State Core — infrastructure that gives Personal AI persistent context, governed life-state, permissions and explainable decisions.

Horizon Europe

Partner Profile 2027

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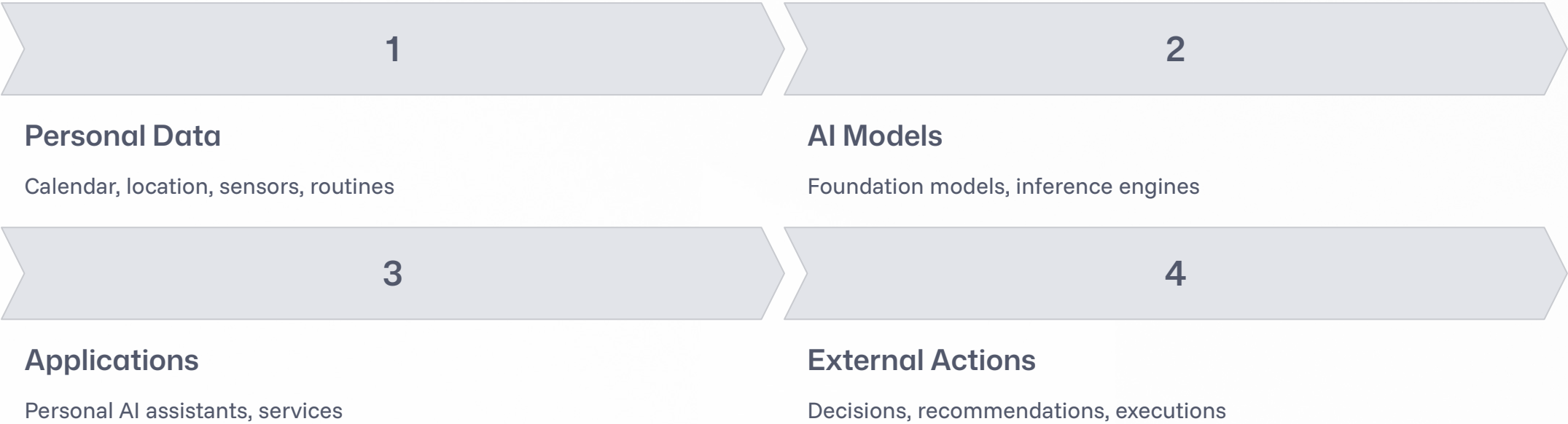
Founder, Robbi Care

robbi.care

The Missing Context Layer for Personal AI

Today's AI assistants can converse, reason and use tools, but they do not maintain a stable, governed understanding of a person's changing life.

Robbi Care is building the **Life-State Core (LSC)** — an independent context and decision layer designed to sit between:



The LSC helps Personal AI understand:

-  **What is happening now**
Real-time situational awareness from dynamic context signals.
-  **What has changed**
Detecting and representing meaningful state transitions over time.
-  **Confirmed vs inferred**
Which information is confirmed and which is only observed or inferred.
-  **What matters now**
What matters in the current situation for the user.
-  **What the user has permitted**
Permission-aware context assembly and action gating.
-  **Next relevant action**
What the next relevant action should be for the user.

It brings together dynamic context from sources such as calendar, location, mobility, weather, routes, routines, preferences and constraints.

 **Personal AI needs more than a model. It needs persistent context, state and governance.**

Dynamic Context → Governed Life-State → Permissible Decision → Explainable Action

The Life-State Core transforms fragmented signals into a governed representation of the person's current situation.

Dynamic Context

- Calendar and obligations
- Location and mobility
- Weather and route context
- User preferences and constraints
- Routines and relationships

Governed Life-State

- Confirmed facts vs observations
- Temporal validity
- Provenance
- Persistent personal context
- Controlled state transitions

Decision & Action Governance

- What matters now
- Explainable recommendations
- Permission-aware actions
- Traceable decision history

Core R&D Principles

- **Observation is not fact** — AI or sensor observations remain evidence until a governed transition accepts them.
- **Decision is not execution** — The system may recommend an action without automatically gaining the right to perform it.
- **Minimal relevant context** — Only context relevant to the current decision should be assembled.
- **Replaceable AI models** — Foundation models can change while state, permission and action contracts remain stable.



The intended result is not a single AI model, but interoperable infrastructure for context-aware Personal AI.

Looking for Horizon Europe R&D Partners

Robbi Care can contribute



Context & Decision Architecture

Life-State Core, governed state, context snapshots, permission-aware decisions and explainable traces.



Prototype Environment

A working mobile product environment for testing context-aware and conversational Personal AI.



Current Maturity

Working mobile prototype and Life-State Core proof-of-architecture, ready for further R&D integration and validation within a consortium.



Independent-Living Use Case

A concrete human-centric scenario involving older adults and families, suitable for co-design, validation and pilot preparation.



Local / Edge AI Direction

A path from mobile AI toward distributed local/home and selective cloud processing.

We are looking for complementary partners



Universities & Research Groups

Context modelling, trustworthy AI, human-AI interaction, multimodal sensing, continual learning and evaluation.



RTOs & Applied AI Institutes

System integration, interoperability, testing, privacy/security validation and technology transfer.



Edge / Local AI Technology Partners

On-device models, efficient inference, distributed AI, voice, sensors and privacy-preserving processing.



Care & Independent-Living Partners

Home-care providers, senior-living organisations, municipalities and NGOs able to shape requirements and support pilots.



Data / Mobility / Environment Partners

Mobility, routes, weather, public transport and other contextual data sources.



Horizon Consortium Coordinators

Experienced coordinators seeking a product-focused startup partner with a concrete Personal AI demonstrator.

A Joint R&D Programme for Context-Aware Personal AI

We are looking to build and validate together:

Context Under Uncertainty
How to combine multimodal and dynamic signals without treating every observation as a confirmed fact.

Governed Personal State
How personal context changes over time, how uncertainty is represented and when AI should ask for confirmation.

Trustworthy AI Decisions
How context, permissions and user intent should constrain AI-generated recommendations and actions.

Distributed Personal AI
How personal context and AI processing can operate across mobile, edge/home and cloud infrastructure while minimising unnecessary data transfer.

Human-Centred Validation
How context-aware Personal AI can support autonomy and independent living without becoming passive surveillance.

Expected R&D Outputs

Interoperable Context Layer
APIs and contracts for connecting personal context sources, AI models and applications.

Governed Personal State Framework
Methods for provenance, uncertainty, temporal state and controlled state transitions.

Permission-Aware Decision Framework
Explainable mechanisms connecting context, user permissions and AI-proposed actions.

Reference Demonstrator
A real-world Personal AI demonstrator combining mobile, contextual data and local/edge AI.

Expected Impact

Enable Personal AI systems to use changing real-world context while preserving user control, reducing unnecessary data exposure and making AI-initiated decisions more explainable and auditable.

The Collaboration Goal
Develop and validate interoperable infrastructure that allows Personal AI systems to understand changing real-world context, maintain governed personal state and make explainable, permission-aware decisions.

GET IN TOUCH

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