

REDEFINING HOME IN THE FEDERATED EARTH (2070)

A Speculative Design Inquiry into Belonging and Mobility in a Post-Territorial Utopia.

Welcome to the Federated Earth 2070: We present a world where humanity abolished national borders and replaced citizenship with contribution, governed by an AI-powered Flow Network that treats human mobility as ecology, where transnational transit corridors connect continents and instant global mobility is possible.

THE CHALLENGE OF EMOTIONAL DISLOCATION

By 2070, the Flow Network replaced static citizenship, treating mobile populations as essential components of the planet's metabolism. In this fluid utopia, the core human problem is emotional discontinuity. When belonging is defined by contribution (Federation) and housing is a subscription, the foundation of home and family roots dissolves. The system prioritizes efficiency over psychological security.

What kind of emotional and sensory infrastructure, beyond borders and physical property, must be created to ensure belonging, continuity, and dignity for highly mobile citizens, so that the child of a global nomad can answer the question: „Where is my home?“ with an authentic sense of stability?

THE PROCESS: JOURNEY TO 2070

Present-Day Signals (2020–2030)
Rise of remote work, digital nomads, and early global citizenship programs. AI begins serving society under new human-centered ethics guidelines.

Critical Transition (2040–2050)
Nation-states lose control over global migration, giving rise to federations organized by purpose instead of territory. Formation of the Global Federation Network (GFN): A transparent, borderless infrastructure connecting all federations under a shared resource system. Birth of Sub-Federations: Specialized branches form under major federations (cultural, environmental, and social) reflecting diversity within unity.

Human Shift (2050–2060)
Citizens actively forged multi-Federation identities based on skill and social purpose (Work, Care, Environmental). Cultural continuity was deliberately safeguarded through the FCC (Foundation for Cultural Continuity), ensuring diverse traditions survived the global fluidity. Furthermore, the Youth Federations embedded a core sense of planetary empathy and stewardship in the next generation.

The Anchor Solution (Intervention Focus)
The system's efficiency caused emotional dislocation. The final intervention established the Anchor Solution: A fixed Anchor Person in a Core Zone maintains family roots. The Ambient Core Memory was designed to stream the unique sensory fingerprint of home to any temporary dwelling, ensuring psychological stability.

IMPACT & CONVIVIALITY

Key Takeaway:
Mobility is not Crisis, but Metabolism. The system eliminates climate migration trauma by embracing human movement as necessary for planetary health, securing resources for all.

Dignity & Reciprocity.
Dignity is ensured by measuring contribution (GCI), not wealth. Reciprocity is built into the system by balancing Work Federations with mandatory Environmental Federations.

Conviviality:
The Ambient Anchor Core Memory provides the necessary psychological safety net for high-mobility life. By streaming the untranslatable, sensory essence of home (scents, micro-sounds, temperature), it ensures children and travelers have deep cultural roots and emotional stability while parents pursue global purpose.



HOME IN YOUR POCKET: THE AMBIENT ANCHOR CORE

This artifact serves as the psychological anchor for the highly mobile citizen, bridging the fluid work life in Hub Zones with the rooted stability of the Anchor Home.

Sensory Fingerprint Capture: Records the unique, untradeable sensory atmosphere of the Anchor Home (olfactory signatures, micro-sounds, thermal patterns).

Atmospheric Projection: Streams this sensory profile to any temporary Hub apartment, instantly transforming the sterile space by subtly adjusting light and diffusing the familiar scent memory.

Dislocation Reduction: Restores the familiar, subconscious environment to provide instant psychological coherence and minimize the severe emotional stress of constant movement through the Flow Network.

Biometric Anchor: Bound by the citizen's unique biometric profile, ensuring the feeling of home is personal, non-transferable, and cannot be commodified. The Core embodies the saying: „Home is not where you live, but what you remember.“



Authors:
Anuj Bhandare, Jonas Eisenhofer, Lena Kächele, Mercedes Emte, Vedika Mahamulkar