



PDIE

Purpose Driven Innovation

GRIA

Global Regenerative Innovation Alliance

1. General Ideal Outcome – 2035

By 2035, the city has transformed into a thriving **nature-positive, regenerative ecosystem** where human activity actively restores, enhances, and coexists with natural systems. Urban life is powered entirely by renewable energy, designed with circular material flows, and optimized through data-driven decision-making. Citizens enjoy cleaner air and water, abundant green spaces, resilient infrastructure, and inclusive prosperity. The city is a living laboratory - constantly innovating, scaling, and sharing solutions globally.

2. Thematic Area–Specific Ideal Outcomes



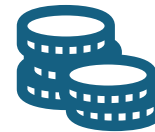
**A. Regenerative
Infrastructure &
Built Environment**



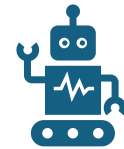
**B. Urban
Biodiversity**



**C. Zero-Emission
Mobility & Energy**



**D. Circular
Economy**



**E. AI & Digital
Twins**

A. Regenerative Infrastructure & Built Environment

All buildings are energy-positive and climate-resilient, producing more energy than they consume.

- Infrastructure is adaptive, modular, and built from renewable or recycled materials.
- District-scale systems capture and reuse rainwater, recycle greywater, and sequester carbon via bio-based materials.
- **How Achieved:** Through innovative construction materials, net-positive design standards, and performance-based building regulations.



B. Urban Biodiversity

- Native ecosystems flourish throughout the city: restored wetlands, rewilded riverbanks, pollinator corridors, and vertical forests.
- Biodiversity is measured, monitored, and improved annually via citizen science and AI-driven mapping.
- Every resident has access to green space within a 10-minute walk.
- **How Achieved:** Partnerships between city authorities, conservation NGOs, startups in ecological restoration, and citizen participation.



C. Zero-Emission Mobility & Energy

- All transport — public and private — is powered by clean electricity or green hydrogen.
- Autonomous, shared, on-demand mobility services replace most private car use.
- Energy systems are decentralized, powered by a mix of solar, wind, geothermal, and storage solutions.
- **How Achieved:** Infrastructure investment in EV/hydrogen networks, integrated public mobility platforms, and localized microgrids.



D. Circular Economy

- No waste to landfill: 100% of materials are reused, repaired, or recycled.
- Industrial symbiosis networks connect companies so one's waste is another's resource.
- Consumers participate in city-wide reuse, sharing, and repair systems.
- **How Achieved:** Advanced sorting/recycling technologies, reverse logistics platforms, and circular procurement policies.



E. AI & Digital Twins

- Real-time digital replicas of the city model energy use, traffic, biodiversity health, and material flows.
- AI predicts infrastructure needs, prevents environmental damage, and optimizes resource allocation.
- Citizens and decision-makers co-create policy based on transparent, data-driven simulations.
- **How Achieved:** Collaboration between tech companies, municipal data offices, and academia, ensuring open data standards.



Stakeholders to shift to Nature Positive

- Finance/Philanthropy
- Policy Makers
- Innovators and Entrepreneurs
- Corporations
- Academia/R&D

How do we orchestrate these different stakeholders and activate frequent exchange and cross pollination?



How to start the movement

Mapping of most relevant players who point into the direction of our regenerative and nature positive future vision.
Invite some key players to New York for our event before Climate Week.

Generate pledges and nominate GRIA city ambassadors

Design community driven initiatives and convene stakeholders locally in target pilot cities



Timeline for scaling GRIA initiative



- Build and develop activation spaces online for connecting between cities
- Collect challenges (from private and public sector) and define pilot projects
- Communicate with policy makers and leverage public funding