



Circular economy strategy of Grand Avignon (Construction sector)

Ecological transition department
May 2025

Avignon
Caumont-sur-Durance
Entraigues-sur-la-Sorgue
Jonquerettes
Le Pontet
Les Angles
Morières-lès-Avignon
Pujaut
Rochefort-du-Gard
Roquemaure
Saint-Saturnin-lès-Avignon
Sauveterre
Saze
Vedène
Velleron
Villeneuve lez Avignon



Circular Economy Strategy of the Grand Avignon in the construction sector (Building and public works)

Part 1 : Présentation of the Grand Avignon

Part 2 : Circular Economy Strategy



→ 1

Presentation of the Grand Avignon

 GRAND
AVIGNON

Presentation of the GRAND AVIGNON

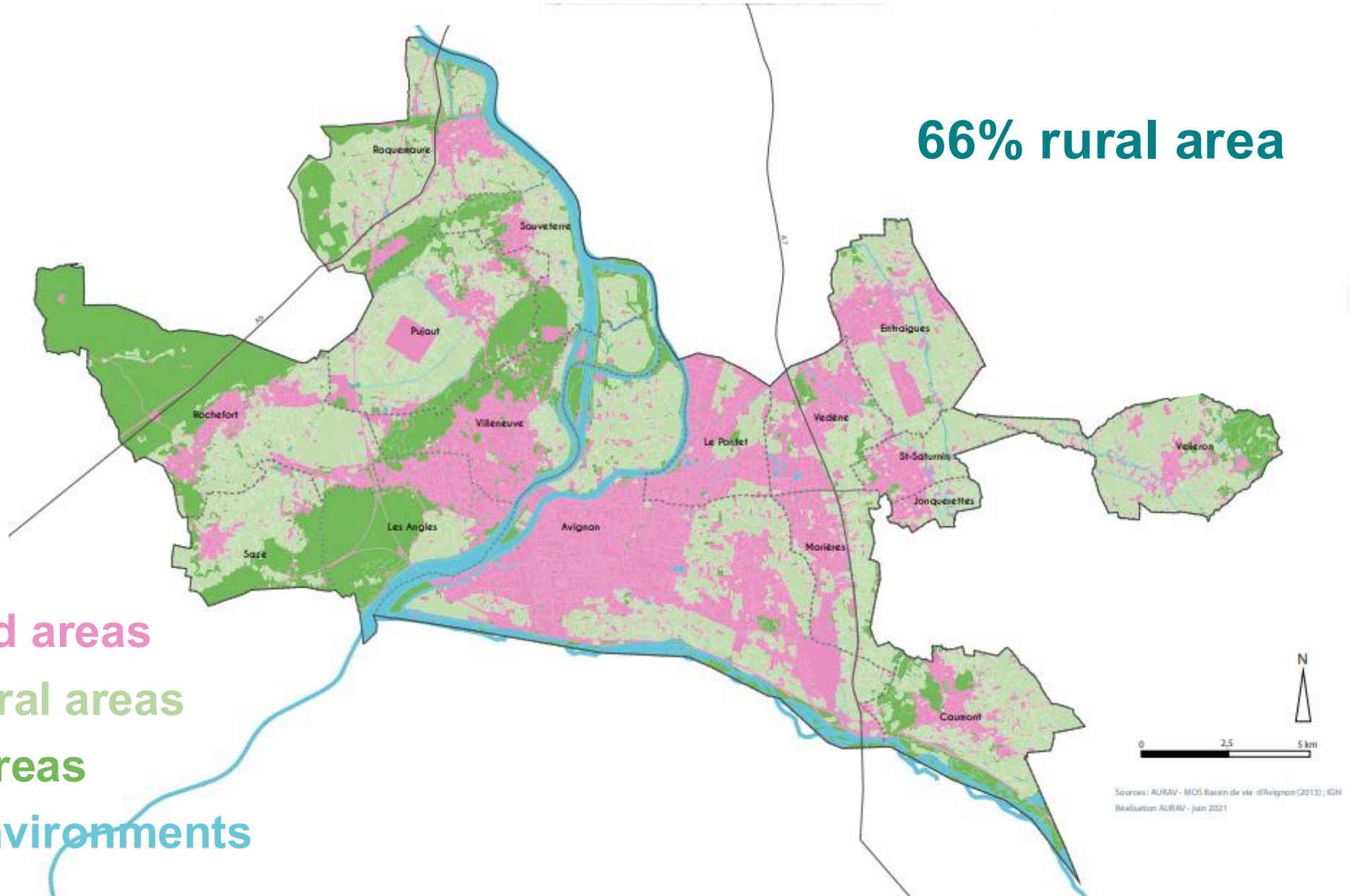
- 16 Municipalities
- 303 km²
- Population : 200 000 Inhabitants
- Main town : Avignon 90 300 Inhabitants
- 2 Regions « Occitanie » et « Sud »
- Budget : 471 M €, 2350 € /citizen



Presentation of the GRAND AVIGNON

66% rural area

34% Urbanized areas
38% Agricultural areas
23% Natural areas
5% Aquatic environments



Presentation of the GRAND AVIGNON

Historical patrimony



Poor housing area

22.50% of poverty (household income)



Presentation of the GRAND AVIGNON

Competences

MOBILITY



HOUSING AND BUILDING



DRINKING WATER AND WASTEWATER



WASTE



PLANNING PUBLICS SPACES



ENVIRONMENT AND ENERGY



ECONOMY ET TOURISM



ARTS ET CULTURE



Presentation of the GRAND AVIGNON



Political program of the territory 2030

One of the axes = Succeeding in the Ecological transition

Territorial Climate Air Energy Plan 2024/2029

31 Actions

Development of the
circular economy

Sustainable
housing

Improved air
quality



Résiliency of the
territory

Sobriety and local
consumption

Mobilization of
stakeholders

Presentation of the GRAND AVIGNON

Ecological Transition department
2022– 2025
(1 worker)

Key principles of the Energy strategy (Link Circular Economy Strategy)

1. **Reducing energy consumption (sobriety)** : implementing immediate-effect actions (adjusting equipment), with little investment (implementing automation, LED lighting), awareness (raising, changing usages)
2. **Renovating buildings** : insulation work, changing windows, ventilation...
3. **Developing renewable energies** and therefore the energy mix
4. **Fighting against heat islands (de-impermeabilizing, greening)**

Extending this strategy to the energy renovation of private housing

Presentation of the GRAND AVIGNON

Ecological Transition department 2022 – 2025

1st Year

- **Organization of working group** with technicians and elected officials from municipalities and Greater Avignon (every 2 months)
- **Energy Conference**

2nd Year

- **Search for funding** and joining a national program (€1M) for studies / equipments / Monitoring
- **Energy Conference**

3rd Year

- **Launch of two contracts involving all local municipalities** : energy audits and energy master plan
- Development of a **shared energy loop** among stakeholders
- **Monitoring of energy renovation operations / renewable energy** + search funding
- **Development of support for the renovation of private housing** : mobilization / events / enhanced advice
- **Energy Conference**

Same methodology based on :

- **stakeholder mobilization**
- **technical and financial support**
- **the development of new branches**

1st Energy Consumer



Major consumer of natural resources



1st Waste producer



2nd Greenhouse gases producer



Key principles of the circular economy in the construction sector

1. **Sustainable construction** : prevention (to the right needs), building can be dismantled / modulated, extension of the life of equipments and materials
2. **Efficient waste management** : waste sorting and recovering, traceability on sites
3. **Use of reused, recycled and bio-based materials** : materials with a low environmental impact
4. **Optimization of the lifespan of structures** : Designing buildings to maintain, adapt or renovate

2 Circular Economy Strategy

Grand Avignon's strategy

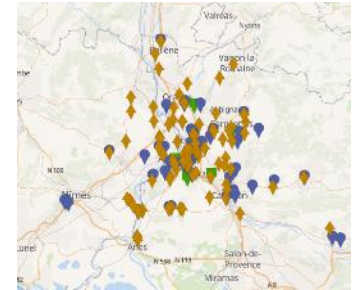
Axis 1

Support the construction sector in changing practices



Axis 2

Develop, in the territory, an efficient mapping of resource/waste factories

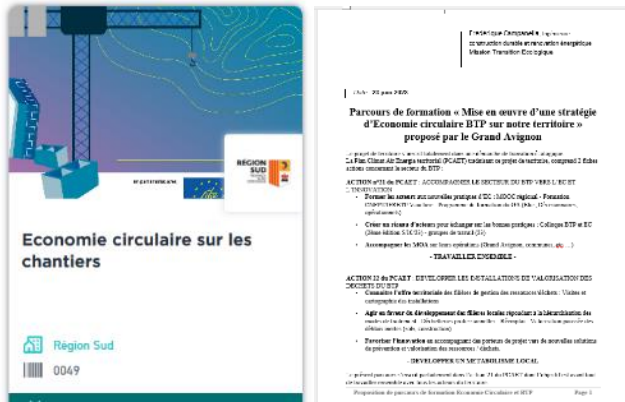


Axis 3

Identify and better manage resources from the construction sector



Axis 1 : Support the construction sector in changing practices



Training program

- Training stakeholders in new Circular Economy practices : **training courses including internal training offered to local authority employees**

Network animation

- Create a network of actors to exchange on good practices of the Circular Economy and their evolution : **Working groups with construction actors + Conferences**

Project monitoring

- Monitoring the projects of the local authorities : **Global renovation of the Velleron school, selective deconstruction of a sports hall in Avignon**

Ecosystem = working together, using the same language and changing practices

Axis 2 : Develop, in the territory, an efficient mapping of resource/waste factories



Interreg
Europe



Co-funded by
the European Union

INERTWASTE



Mapping of factories

→ Know and develop the activities of local product/waste management factories : **Mapping of construction resource/waste factories+ visits**

Development of new branches

→ Acting in favour of the development of local sectors : **Feasibility studies for the implementation of a reuse centres for materials and a production factory for excavated soil**

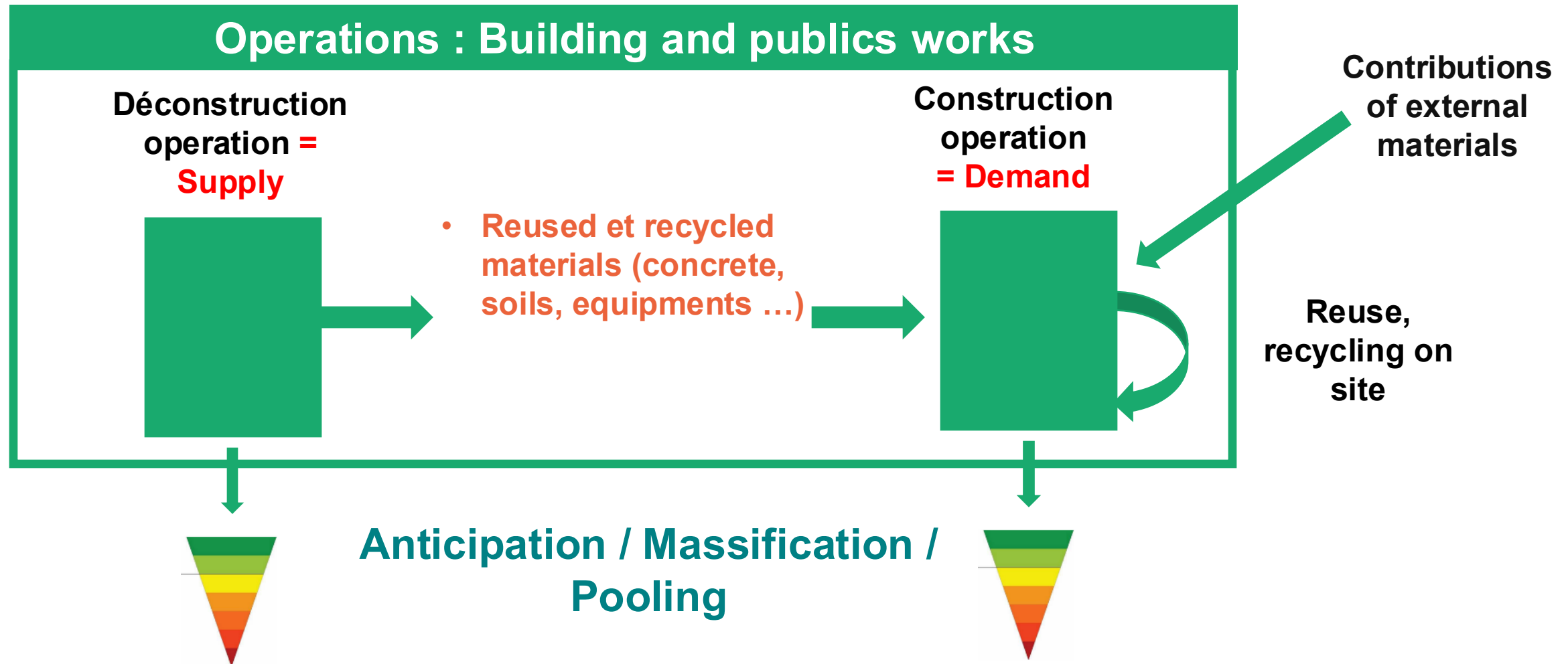
Promote innovation

→ Setting up new projects, sharing experiences : **Inertwaste**

Ecosystem = knowing the local factories, developing new sectors, innovating

Axis 3 : Identify and better manage resources from the construction sector

Realisation of a study in 2 phases : starting in november 2025

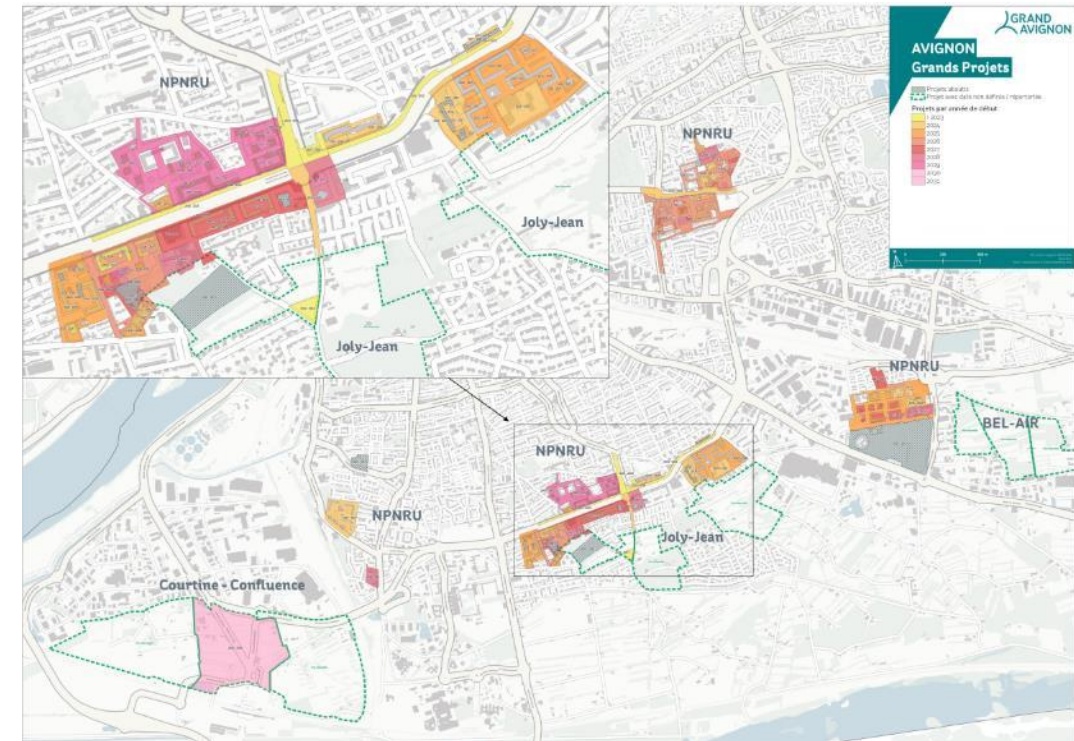


Axis 3 : Identify and better manage resources from the construction sector

- **Phase 1** : identify the source of resources/wastes produced in the territory over the next 15 years, identify synergies between supply and demand (construction sites)

It concerns the following major identified work areas :

- ✓ Construction of new neighbourhoods, Rehabilitation of neighbourhoods
- ✓ Development of business parks
- ✓ Construction of an urban heating network in Avignon
- ✓ Work areas of the Grand Avignon (Park & Ride, roads and various networks, building, etc.)
- ✓ Municipal work zones (renovation of buildings)
- ✓ ...



Preparation : Meeting with the project owners in order to explain the approach and build a database of operations (in progress)

2 Circular Economy Strategy

Axe 3 : Identify and better manage resources from the construction sector

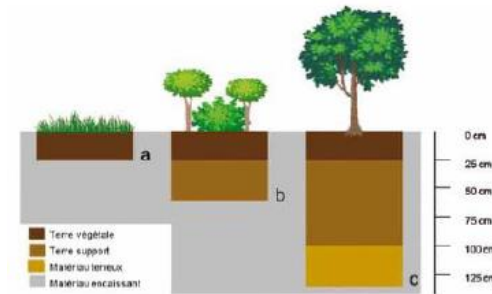
- **Phase 2** : carry out a technical, economic and legal feasibility study for the creation of a reuse centre of materials and a factory for the production of fertile soil from inert excavated soil

These factories will create jobs while allowing the territory to benefit, from a local economy

Reuse centre of materials



Factory for the production of fertile soil



Thank you for your attention

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