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# Private sector-oriented waste management interventions in Iraq

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# Challenges in local waste management

- Increasing amounts of municipal waste
- Basic services of collection and transport
- Often open dumps
- Little recycling initiatives
- Specific waste issues
  - War debris
  - Construction and demolition waste
  - Oil and gas waste



Picture source:

<https://www.nytimes.com/2018/05/06/world/middleeast/mos-ul-isis-garbage-collectors-human-remains.html>

# Foundations for local waste management

- There is a sustainability gap by inadequate WM systems:
  - Impact on living quality for citizens (odor, visible pollution, health issues)
  - Negative environmental impacts : pollution, degradation, climate effect, etc.
  - Indirect negative costs for the society: long-term balance - costs for remediation, health costs, etc.
  - Limiting economic growth: impact on foreign investments, missing infrastructure for local industry, wasting resources, etc.
- How to create the motivation to tackle the waste issue?
  - Enhanced policies that would foster the adoptions in legal framework and care for enforcement
  - Examples and business cases for effective and efficient Waste Management
  - Approaches that are less vulnerable for exploitation and fraud
  - Creating a higher commitment in the population for improvements in WM





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# The status of private sector engagement

- Waste management is largely poorly subsidized, which hinders profitable and sustainable business models
- Currently, waste management companies are usually only logistics companies, no treatment plants (private investments can hardly be covered)
- Gate fee structures are not clearly regulated respectively not existing (steady payments). Who pays when, how much?

Not to forget:

- A professional and sustainable disposal or treatment of non-valuable waste streams always has a negative cost balance without external financing/subsidy and/or market distortions.



## Private sector activities: plastic recycling

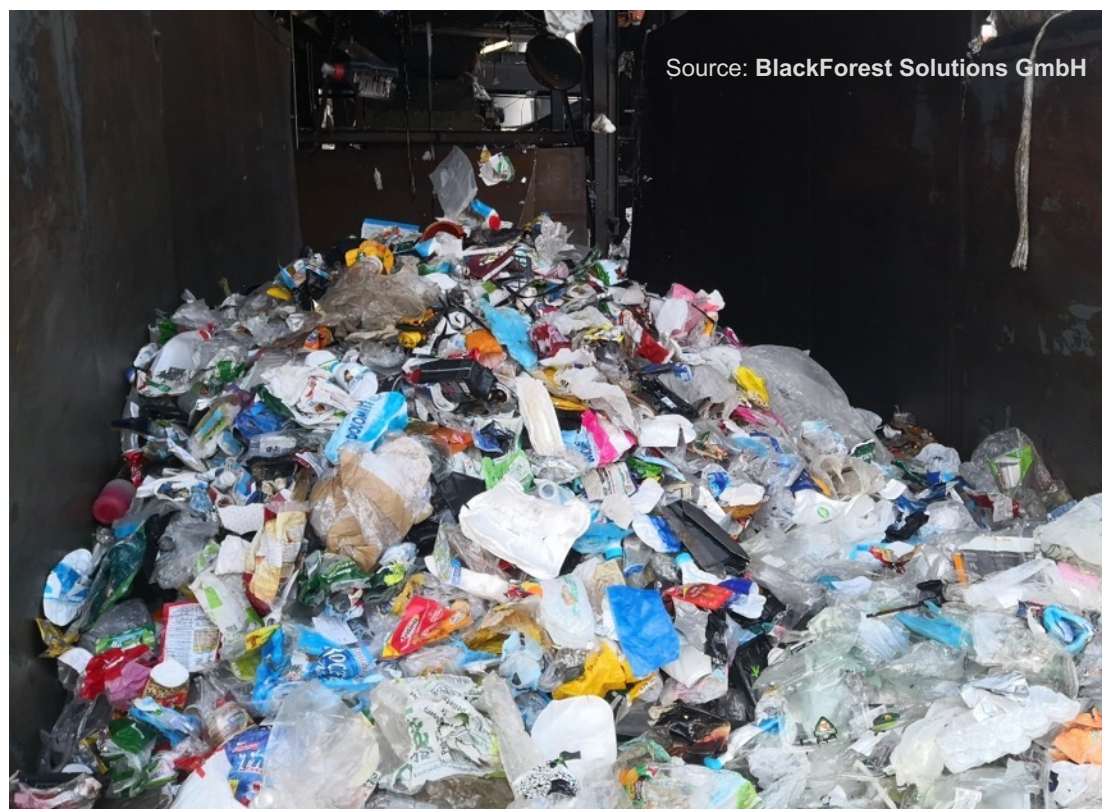
- Plastic recycling in low amounts from PET bottles and LDPE plastics
- Regranulates mainly going to neighboring countries





## Private sector activities: RDF

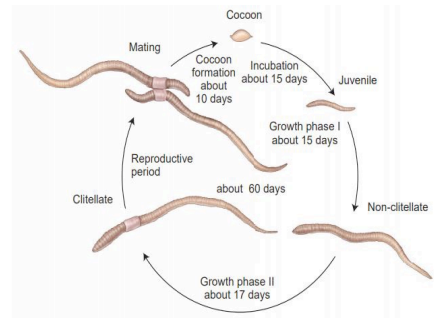
- Approaches of international cement companies to establish RDF structure in Iraq for local cement kilns



# The GIZ approaches

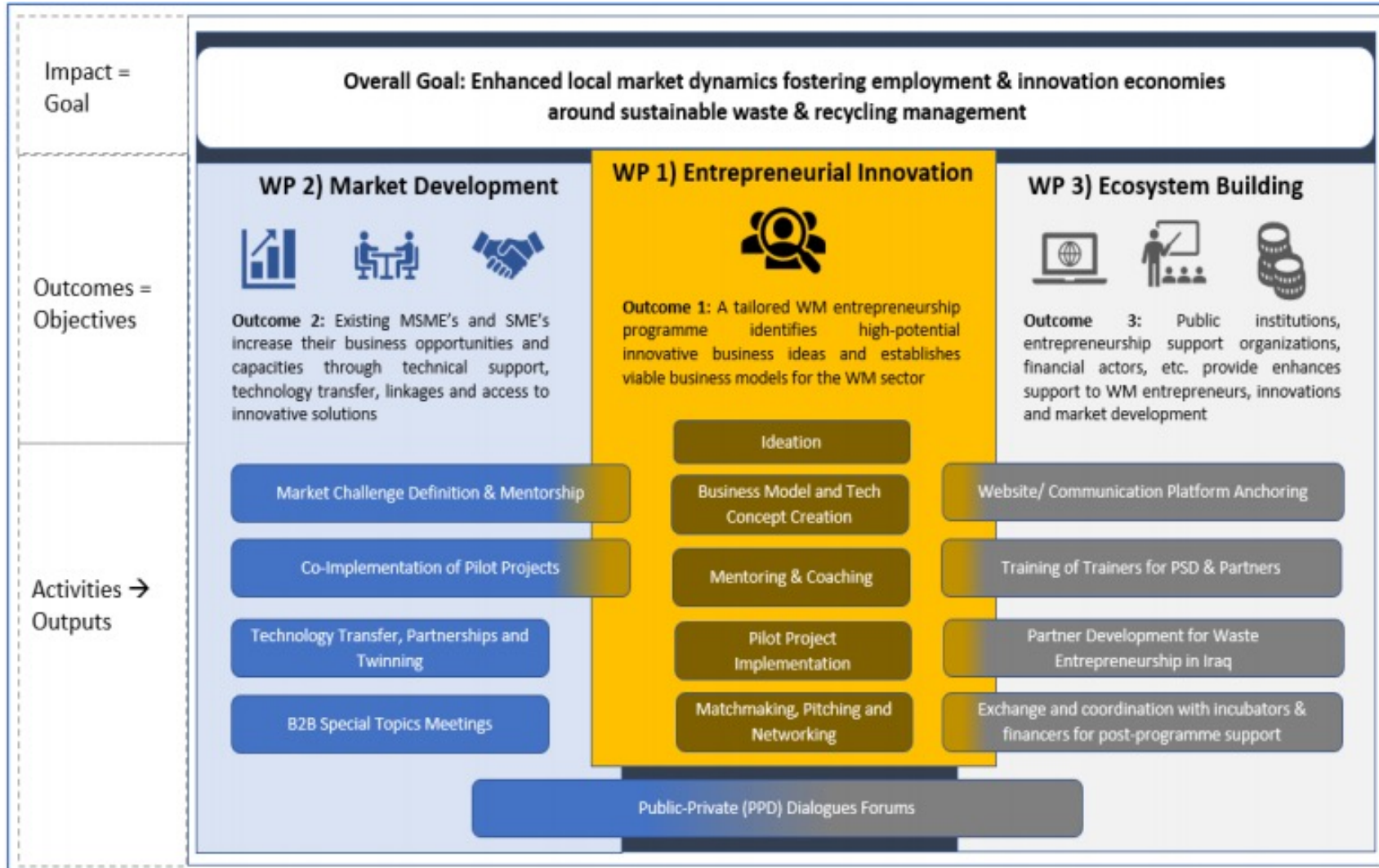
## Private sector development and job creation

- Entrepreneurship program with the aim of developing mature business plans
- Accompanying the piloting of selected business plans
- Training of local mentors / coaches who will support business initiatives and innovative approaches
- Advice to local actors to identify possible innovation potential
- Support of business relationships with international technology companies
- Cooperation with chambers and partners from the private sector
- Elaboration of policy papers (white paper) as a basis for “Public-Private-Dialogue” (PPD)





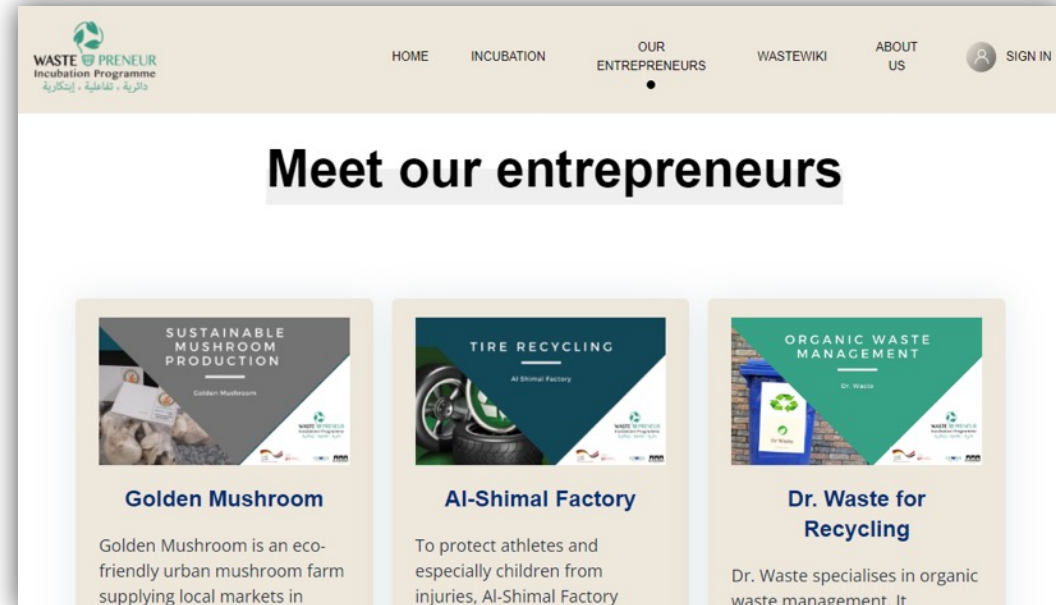
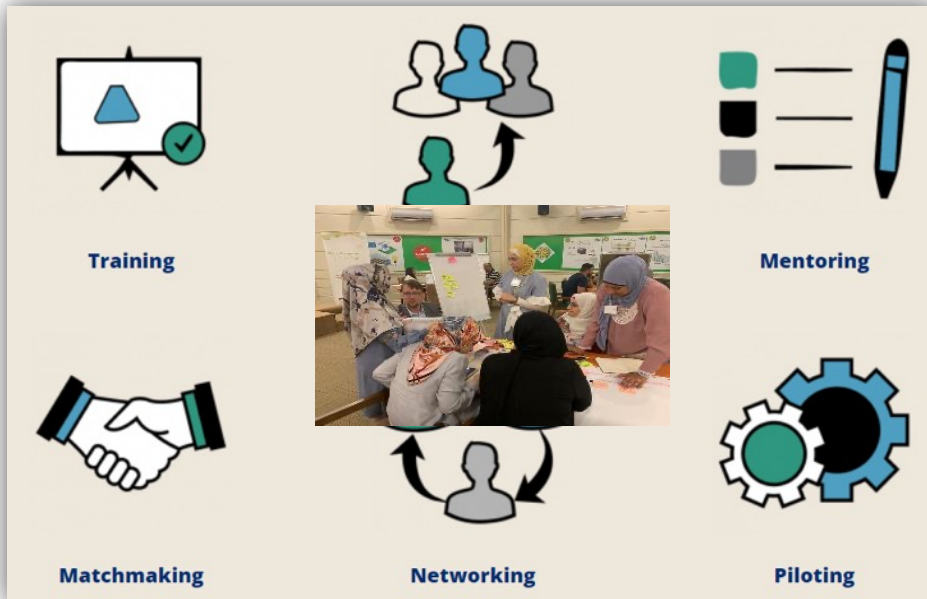
# Integrative approach to achieve change





# The WastePreneur program & platform

- With the WastePreneur program young Iraqis, young entrepreneurs and MSMEs were encouraged to develop promising approaches to set up a private business that could generate revenue in the Waste Management and Recycling Sector.
- The platform WastePreneur has been established to allow the effective realization of online programs and expert engagement and to provide a single point of information on Waste Management in Iraq and enable an exchange within the sector and between the professionals.



<https://wastepreneur.creation.camp/>



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# Thank You

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