FEEDING CITIES: FIXING CITIES

Moving towards a (largely urban) global population of 9 billion+, we need to be creative in how we responsibly provide quality food for all. Reducing artificial cooling on the possibilities for integrating urban food (#1), eliminating food waste (#3) and transitioning to more plant rich diets (#4) are project Drawdown top solutions.

More closely linking the points of food production and consumption makes sense in public realm interventions. terms of quality and efficiency. Local production means less refrigerated transportation and storage, whilst urban food production can have many more direct and indirect benefits from building (insulation) enhancement and repurposing, to storm water management, microclimate improvements, biodiversity support, education, community building, circular

BUSINESS CASE & ENVIRONMENTAL IMPACT MODEL

The case for an urban farm is multi-sided. There • Public spaces and green spaces can gain are generally many different activities that contribute to income and to achieving other objectives, reducing other costs and so on. When we take a holistic and integrated the environmental benefits and many local factors come into play. When we place food production back into cities, then we automatically start to think, plan and work in a cross-silo way. For every opportunity there will be unique challenges and opportunities, spin- Is supply and demand currently well offs and benefits.

INCOME

- Food Sales (direct public, direct retail and /
- or F&B outlets)
- Events (corporate hospitality, conference space, meeting rooms, weddings etc)
- On-site restaurant / café
- Sale of energy, biogas, compost, fertilizer Sale of water for drinking
- Knowledge, training and education
- Energy generation

COST BALANCES

- Irrigation water collection and use
- Storm water management

FOOD FACADE

SOLAR POWER & SHADING

ILLUSTRATION PREPARED BY CHRIS JONES

Urban farming is plant focused and embraces cross silo innovations more so than traditional agriculture. This poster focusses production into our existing urban areas and looks across this diverse field from indoor climate-controlled food factories, to rooftop soil-based farms, vertical façade food systems, container-based techniques and

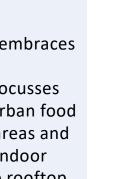
There are many synergies and spin-off **benefits** across a wide range of Drawdown Solutions (and SDG's) whilst increasingly there are incredible urban farming systems across the world as well as cities who have adopted policies and set ambitions that place circularity and sustainable food systems at the heart of social, environmental, economic and sustainable planning.

Compost and fertilizer production Biogas for heating / cooking

income generation / cost offsetting **EFFICIENCIES & ENVIRONMENTAL FOODPRINT** approach then it becomes a challenge to model • Where is the fresh food (that you plan to

- produce in the city) currently coming from? How far is it travelling and how? How is it produced? How much land, water, Quantity lost in the 'farm-to-fork' process?
 - **SPIN-OFFS**
 - Local employment & local economy
 - Skills development
 - Economic impulse / urban regeneration tool Social engagement / community
 - development
 - Biodiversity Urban heat island mitigation
 - Building repurposing / enhancement
 - Stimulating innovation
 - Tackling empty and underutilized building

 - Relieve pressure on peri-urban & rural areas Allowing people to be part of the solution!





































KuiperCompagnons / Drawdown Switzerland

Circular Economy Based Urban Systems

Consultant Sustainable &

WhatsApp: +41 76 519 6830

Email: cjones@kuiper.nl Skype: chrisvanjones Twitter @ChrisJonesSC

Email: chrisvanjones@hotmail.com

