

Biodiversity net gain — A call to action

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A call to action for the shelter and settlement sector

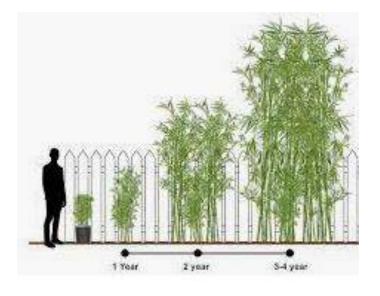
Biodiversity net gain* for healthy settlements

* planting/greening of settlements



AVERAGE STAY IN A REFUGEE CAMP IS 17 YEARS, UN EXPERT SAYS CAMPS ARE "THE CITIES OF TOMORROW"









settlements A Requirement; Not a luxury.

Mind & Body

- "Contact with nature lowers cortisol levels, blood pressure and pulse rate, increases creativity, focus and sleep quality, while also reducing depression, anxiety, higher pain tolerance, and faster recovery from surgery."
 - Miyazaki, et al. 2014; Park, et al. 2010; Li, et al. 2007; Morita, et al. 2011; Han, et al. 2016; Song, et al. 2015.



Ecosystem services improve health

Nature's Benefits

S. S. S.

Food

Fodder

Medicine

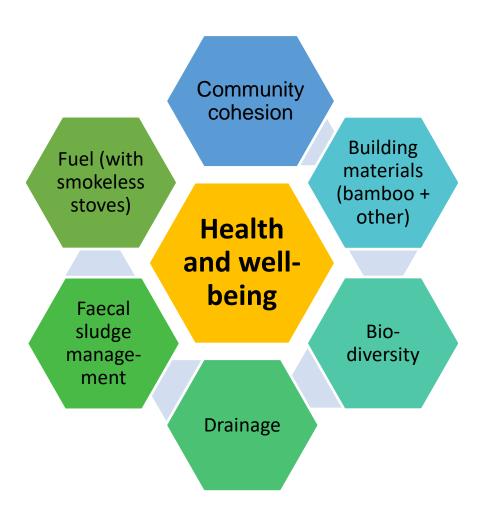




Water Purification

Water Storage

A regenerative/community based approach





The field of regenerative development, which draws inspiration from the self-healing and self-organising capacities of natural living systems, is increasingly seen as a source for achieving this end.



Costs \$100-600/Ha (1000 trees)

In CXB Bangladesh (0.00036% of the \$920 million 2019 JRP)

Calling upon the CCCM/shelter clusters and agencies to accelerate existing greening efforts

- Shelter settlement agencies to commit to a net gain (over pre crisis levels) in Biodiversity; namely through planting/greening*
- ➤ For all shelter agencies to include a modest element of funds for greening/planting at household and community level
- > Primarily to improve health, along with other co-benefits
- > To achieve this through an empowering and enabling approach through conditional community and household cash grants

^{*} Where there are humans there will always be wastewater that can support planting to some degree and resolve wastewater contamination

Acknowledging and building upon the work of others

Ongoing work

- Global Shelter cluster env WG (co-chair Charles Kelly)
- > ENEP
- The Nature-based Solutions initiative

Press and resources

- Plant trees to benefit refugees and host communities, urges UN
- > UNHCR forest management for refugees and returnees

Some examples

- > IUCN project in Rohingya refugee camps Bangladesh
- Dadab, Kenya
- Nyarugusu+, refugee camps Tanzania
- > Benishangul-Gumuz Region: Ethiopia
- Ugandan refugee camps
- Minawao Refugee Camp in Northern Cameroon



Credit: World agroforestry blog