

# Innovation Quadrant for 11 billion flourishing lives (IQ 11 billion)

## Nutrition/Health

### Product level: Food

- Beef herd
- Dark chocolate
- Lamb & Mutton
- Beef dairy herd
- Prawns (farmed)
- Cheese
- Fish (farmed)
- Pig
- Tofu
- Dairy milk
- Beans
- Peas

### System level: Meals/diets

- Western diet
- Fast food drive-in with red meat meals
- Ancenstral diet
- Vegetarian diet
- Vegan diet
- Low impact vegan diet



## Social development/Personal growth

### Product level 1: Textiles

- Leather
- Polyester
- Recycled polyester
- Cotton
- Lyocell
- Wool
- Hemp
- Organic cotton
- Polyamide

### Product level 2: Garments

- Low quality fast fashion
- High quality timeless garments with multifuction



## Spaces/Living

### Product level 1: Material

- Concrete
- Steel
- Recycled steel
- Unsustainable wood
- Sustainable/regenerative wood
- Bamboo
- Sustainable/regenerative bamboo

### System level 1: Building

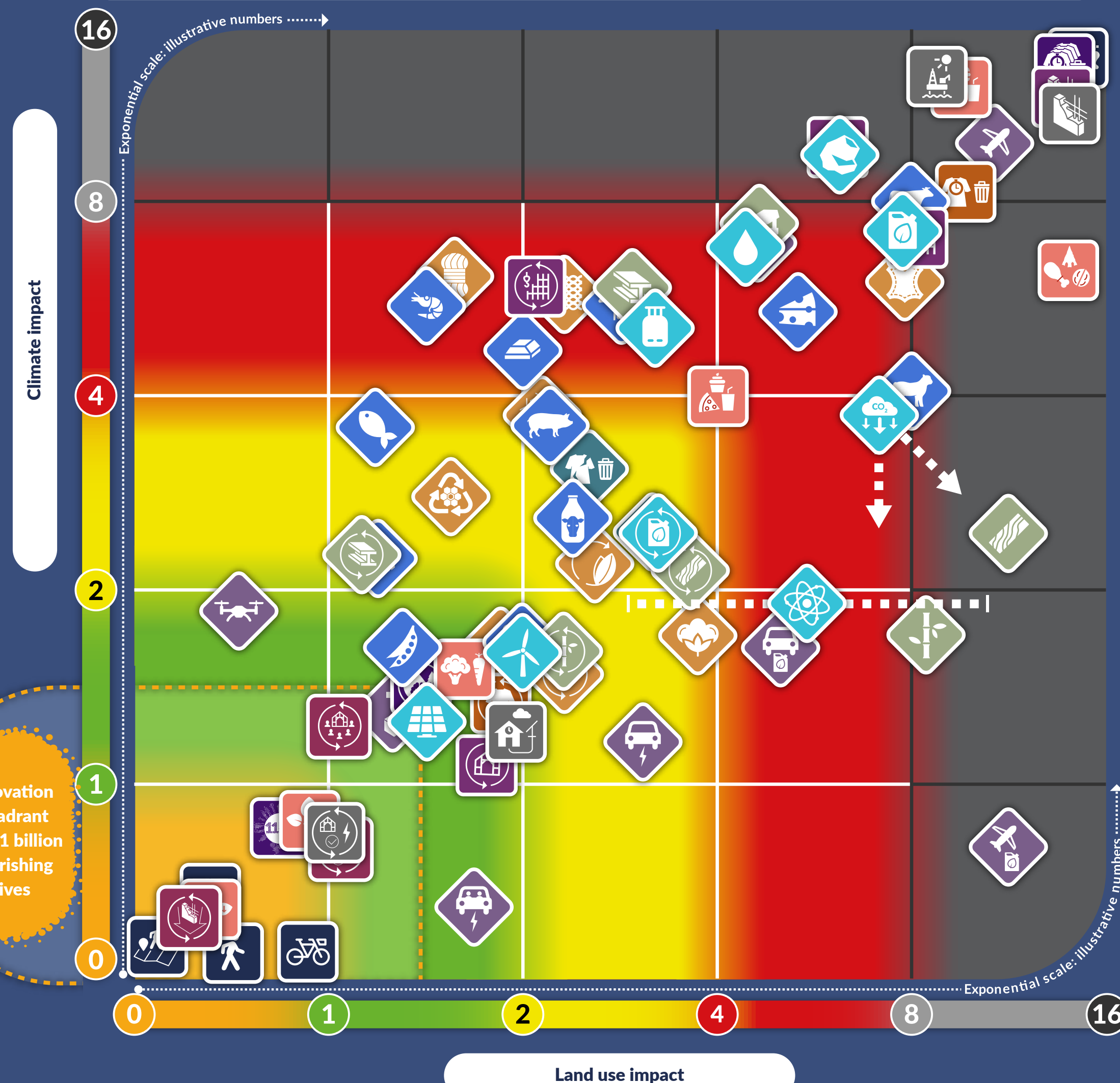
- Resource and energy intensive concrete building
- Steel building
- Recycled steel building
- Wood building
- Sustainable wood building

### System level 2: Cities/Regions

- Sustainable dematerialisation
- Sharing sustainable wood buildings for 11 billion
- Sustainable wood building that is extremely resource and energy efficient and a net producer of sustainable renewable energy

Innovation quadrant for 11 billion flourishing lives

## Climate & Land Use Matrix: Human Needs & Innovations



## Mobility/Access

### Product level

- Fossil airplane
- Biofuel airplane
- Fossil car
- Private owned biofuel car
- Private owned solar powered electric car
- Shared solar powered electric car
- 3D printing
- Drones

### System level

- Urban sprawl and car depending cities + just in time driving air tranport
- Smart city planning with walkability and easy access to core needs, including green spaces
- Bike supporting systems
- Walkable cities
- Digital access through tele working/meetings



## Energy

### Supply side

- Coal
- Oil
- Fossil/natural gas
- Biofuel (unsustainably sourced)
- Biofuel (sustainably sourced)
- Nuclear
- Wind power
- Solar PV

### End-of-pipe

- CCS
- System level: Systems using energy
- Resource and energy intensive concrete building
- Solar driven oil platforms in the Arctic
- Fossil driven solar panel and LED production for schools
- Sustainable wood building that is extremely resource and energy efficient and a net producer of sustainable renewable energy

# Innovation Quadrant for 11 billion flourishing lives (IQ 11 billion)



Nutrition/Health



Product level: Food



Beef herd



Dark chocolate



Lamb & Mutton



Beef dairy herd



Prawns (farmed)



Cheese



Fish (farmed)



Pig



Tofu



Dairy milk



Beans



Peas



System level: Meals/diets



Western diet



Fast food drive-in with red meat meals



Ancenstral diet



Vegetarian diet

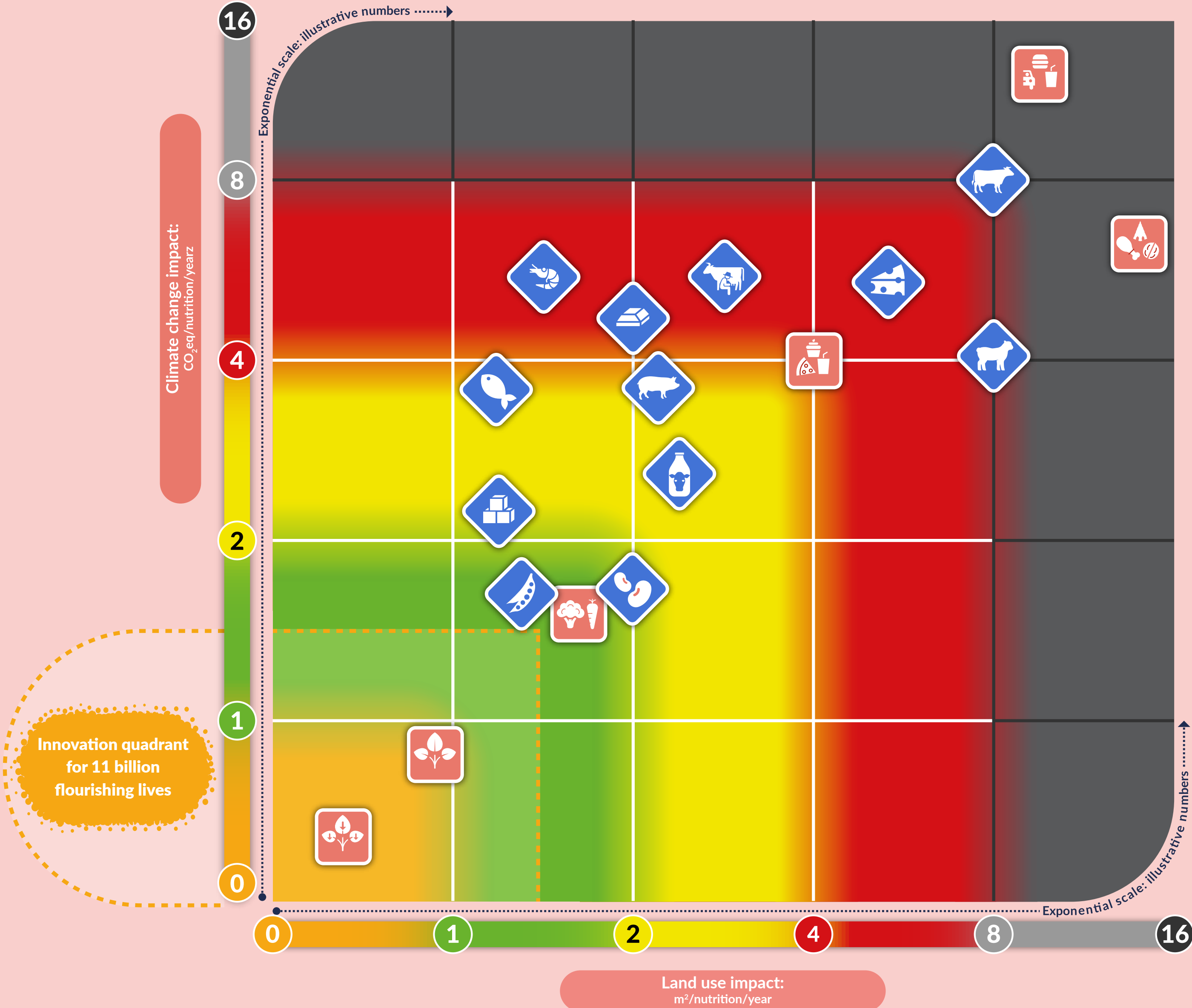


Vegan diet






















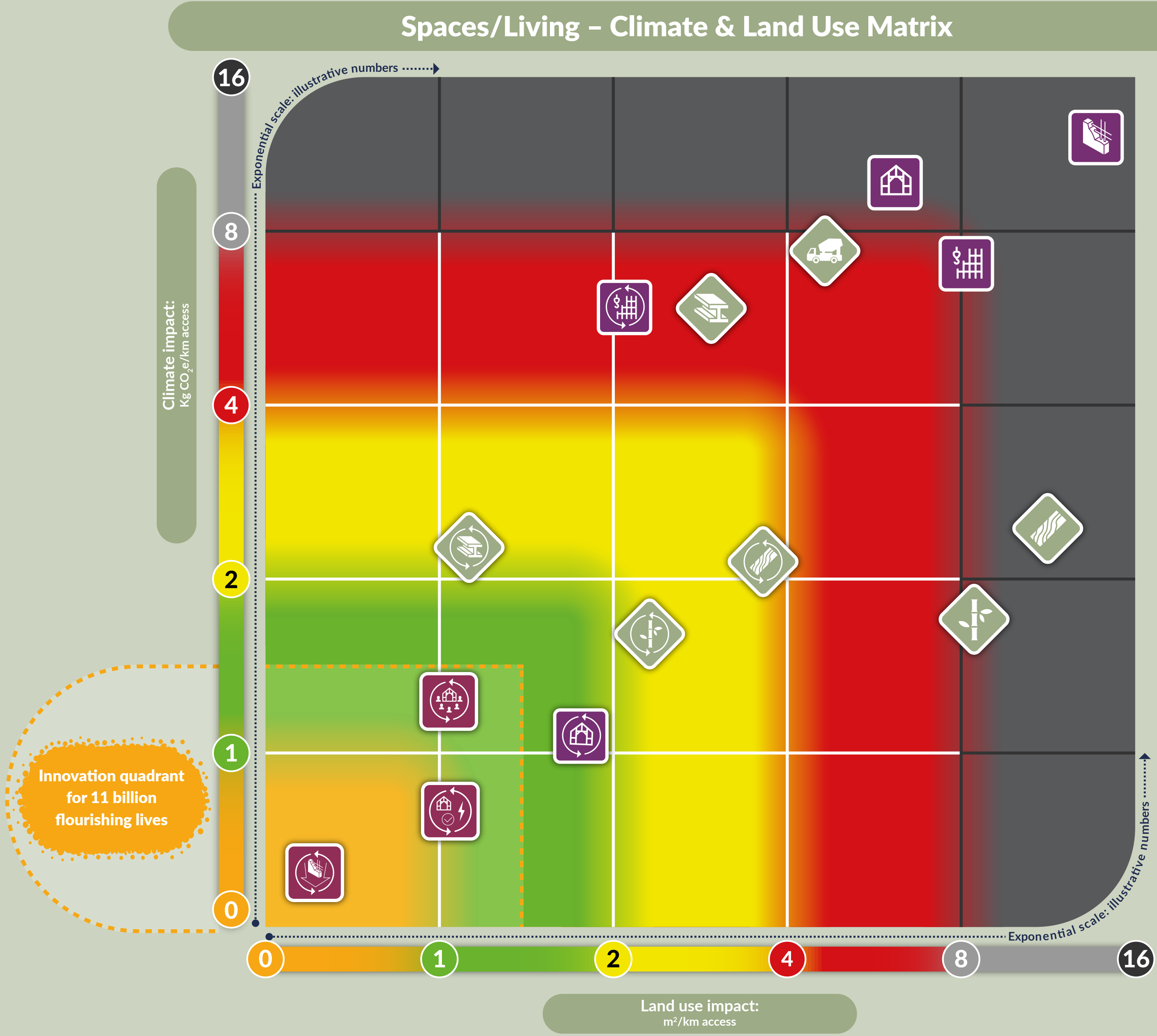
Low impact vegan diet

## Nutrition/Health – Climate & Land Use Matrix: Human Needs & Innovations



# Innovation Quadrant for 11 billion flourishing lives (IQ 11 billion)

-  Spaces/Living
-  Product level 1: Material
-  Concrete
  -  Steel
  -  Recycled steel
  -  Unsustainable wood
  -  Sustainable/regenerative wood
  -  Bamboo
  -  Sustainable/regenerative bamboo
-  System level 1: Building
-  Resource and energy intensive concrete building
  -  Steel building
  -  Recycled steel building
  -  Wood building
  -  Sustainable wood building
-  System level 2: Cities/Regions
-  Sustainable dematerialisation
  -  Sharing sustainable wood buildings for 11 billion
  -  Sustainable wood building that is extremely resource and energy efficient and a net producer of sustainable renewable energy





# Innovation Quadrant for 11 billion flourishing lives (IQ 11 billion)



Social development/  
Personal growth

Product level 1: Textiles

Leather

Polyester

Recycled polyester

Cotton

Lyocell

Wool

Hemp

Organic cotton

Polyamide

Product level 2: Garments

Low quality fast fashion

High quality timeless garments  
with multifunction

System level 1: Wardrobes

Fast fashion wardrobe

Smart outdoor wardrobe

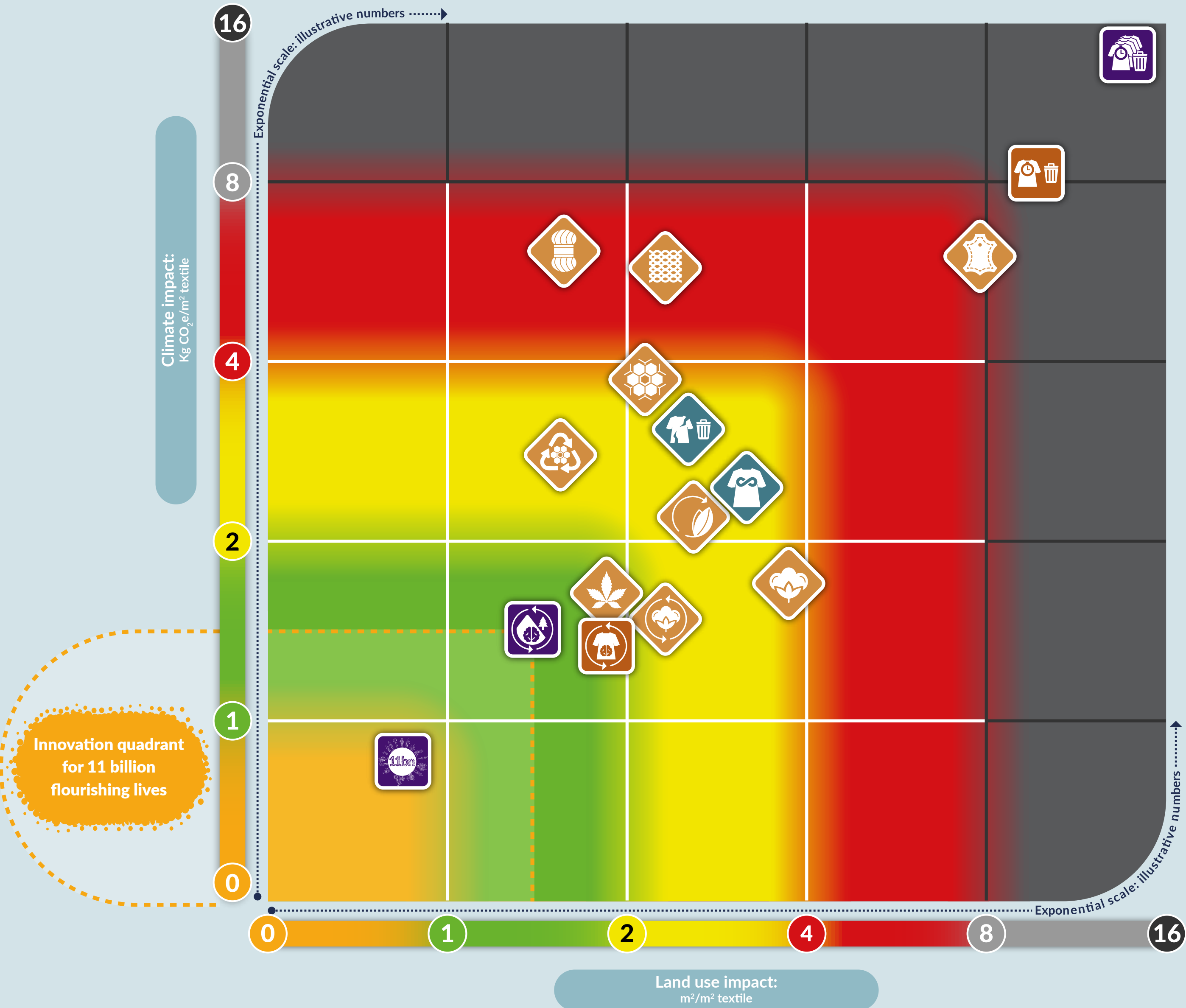
System level 2: Social Development/  
Personal development

Extreme high consumption  
lifestyle

Smart outdoor lifestyle

11bn flourishing lives and  
half-earth lifestyles

Social development/Personal growth – Climate & Land Use Matrix: Human Needs & Innovations



# Innovation Quadrant for 11 billion flourishing lives (IQ 11 billion)



## Mobility/Access



### Product level



Fossil airplane



Biofuel airplane



Fossil car



Private owned biofuel car



Private owned solar powered electric car



Shared solar powered electric car



3D printing



Drones



### System level



Urban sprawl and car depending cities  
+ just in time driving air transport



Smart city planning with walkability  
and easy access to core needs,  
including green spaces



Bike supporting systems

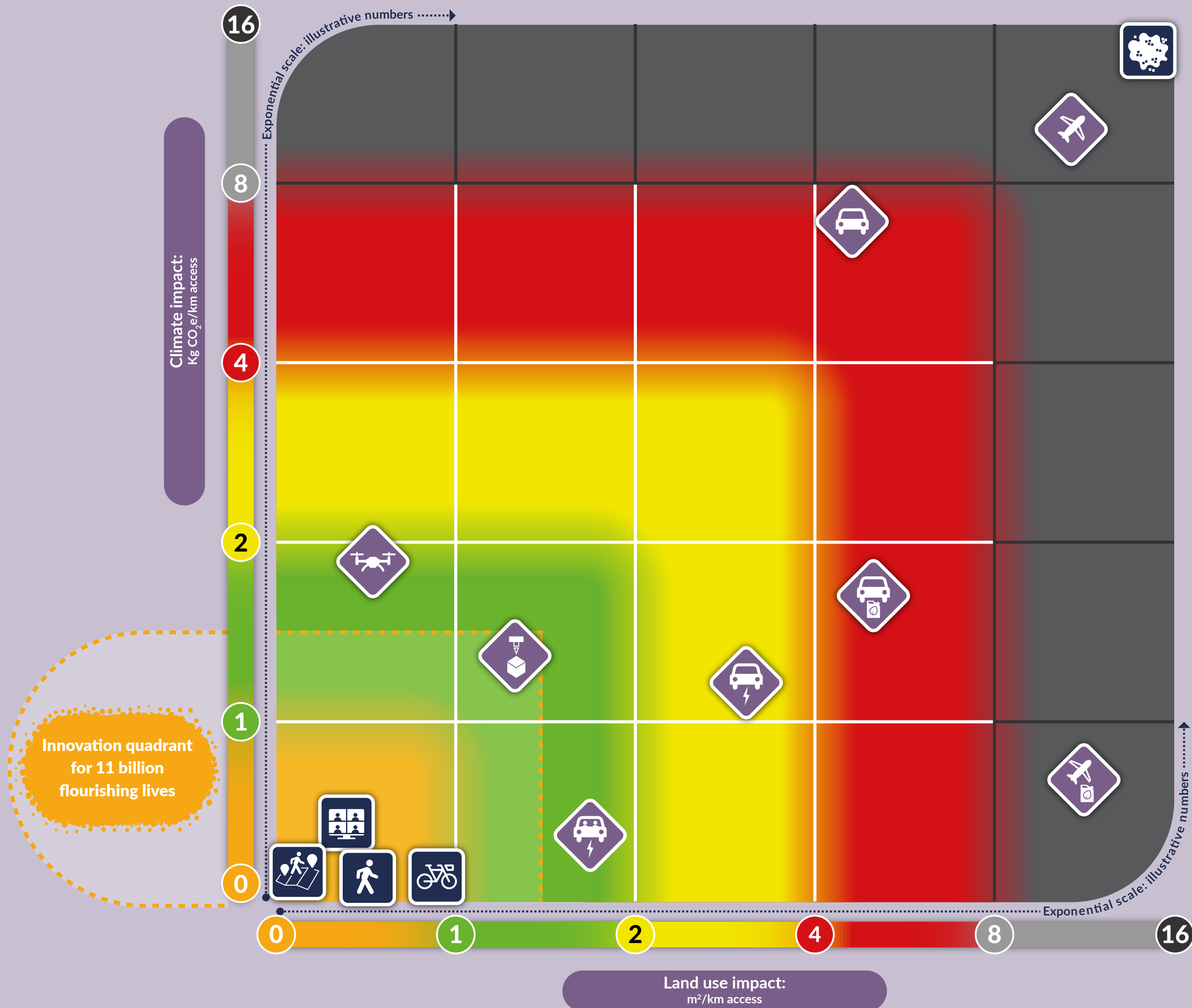


Walkable cities



Digital access through tele  
working/meetings

## Mobility/Access – Climate & Land Use Matrix: Human Needs & Innovations



# Innovation Quadrant for 11 billion flourishing lives (IQ 11 billion)

