



# MAKING ECOSYSTEM SERVICES COUNT IN THE SDGS: AN ALTERNATIVE ES VALUATION APPROACH

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# The Post-2015 Sustainable Development Goals



Can we use the SDGs as a valuation framework for assessing the benefits of ES to people?





# Talk Outline

- Introduce the SDGs
- Learning from success of MDGs
- Funding Alignment
- National Sust. Dev't Priorities
- Translate ES Models -> SDGs Metrics

# From MDGs to SDGs



Millennium Development Goals (MDGs)

Rio+20 UN Sustainable Development Meeting

Guide global development 2015-2030

- Aspirational
- Limited in number
- Easy to communicate
- Realistic and effective targets, indicators



**17 Proposed Goals**

**169 Proposed Targets**

# SDGs

## Poverty, Equality, Education, Food Security, Health, Governance

SDG 2. End hunger, improve *nutrition* and promote sustainable *agriculture*

SDG 3. Attain *healthy* lives for all

SDG 6. Ensure availability and sustainable use of *water* and sanitation

SDG 7. Ensure sustainable *energy*

SDG13. Tackle *climate* change

SDG14. Conserve and promote sustainable use of *oceans, seas* and *marine resources*

SDG15. Protect and promote sustainable use of terrestrial *ecosystems*, halt desertification, *land degradation* and *biodiversity loss*



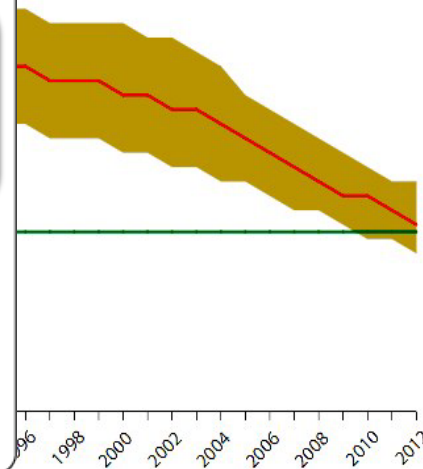
# Did MDGs work?

Mixed results: some targets achieved, but many missed as of 2014

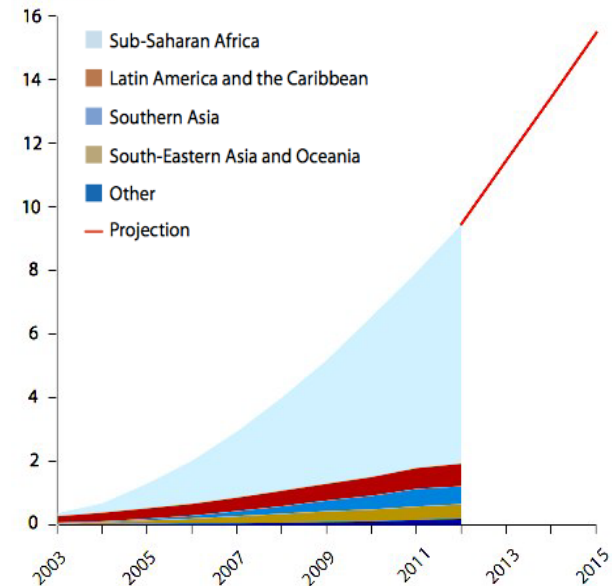


ts in the fight against HIV, malaria and  
losis have shown best results

of deaths due to tuberculosis per  
n excluding people who are HIV-positive,

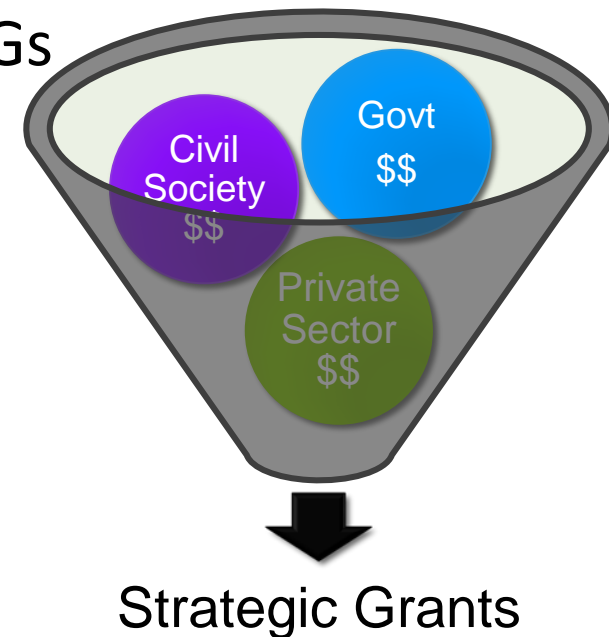


Actual and projected number of people receiving  
antiretroviral therapy, developing regions, 2003–2015  
(Millions)



# Why do countries care about SDGs?

- Global funds unlock large \$\$
- Intl. funding will be channeled along SDGs
- Pooled financing mechanisms
  - *The Global Fund*
  - *Catalytic Fund for Nutrition*
  - *the Global Financing Facility*
  - *The GEF*



*\*A significant portion of SDG investment will also come from private companies – key partners in large infrastructure partnerships*

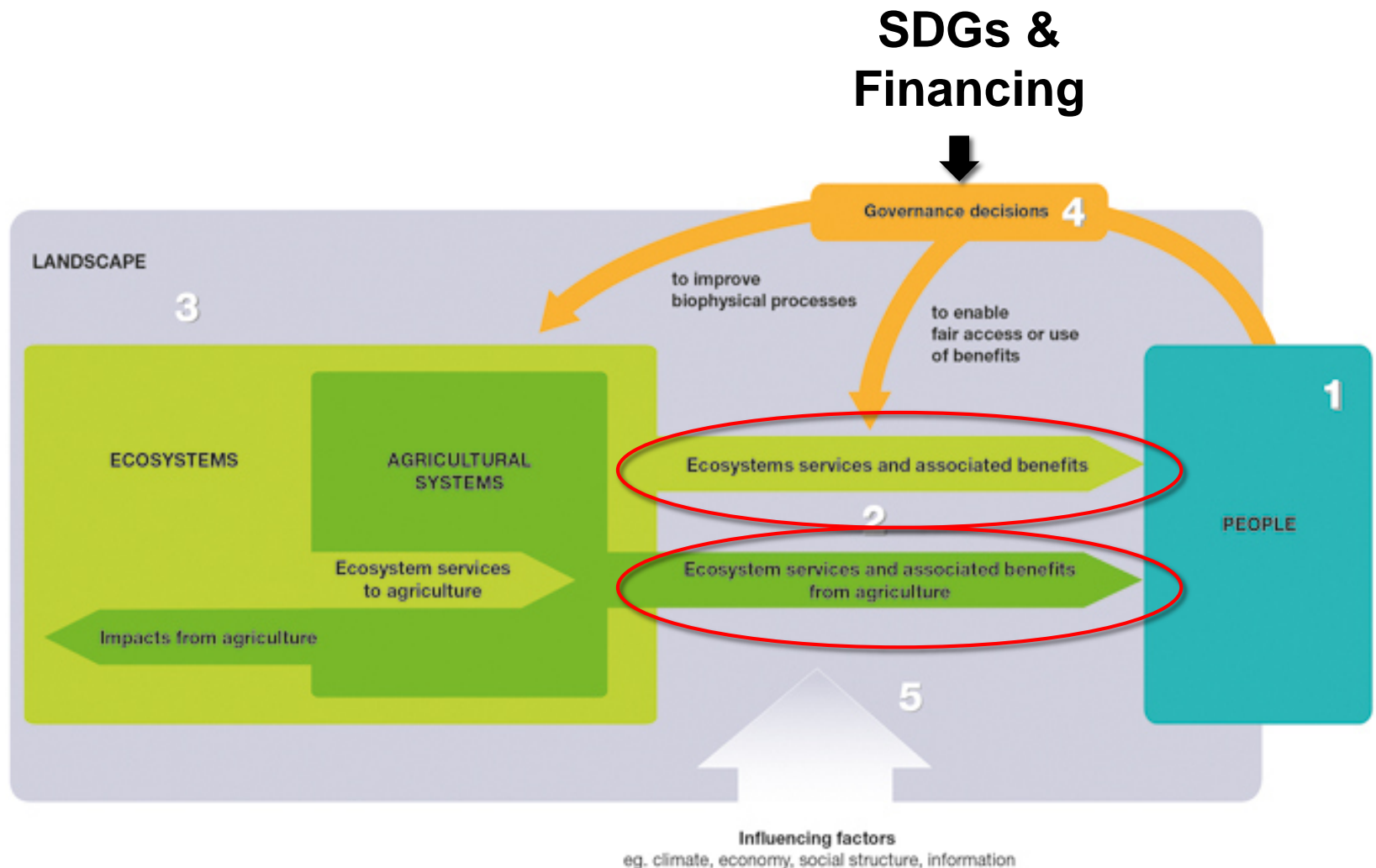
# Alignment of National Strategies

- National Sustainable Development Strategies





# Ecosystem Services & Resilience





# ES Relevant SDGs

SDG 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture

SDG 3. Ensure healthy lives and promote well-being for all at all ages

SDG 6. Ensure availability and sustainable management of water and sanitation for all

SDG 7. Ensure access to affordable, reliable, sustainable and modern energy

SDG 13. Take urgent action to combat climate change



SDG 14. Conserve and sustainable use the oceans, seas, and marine resources for sustainable development

SDG 15. Protect, restore and promote sustainable use of terrestrial ecosystems sustainable manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

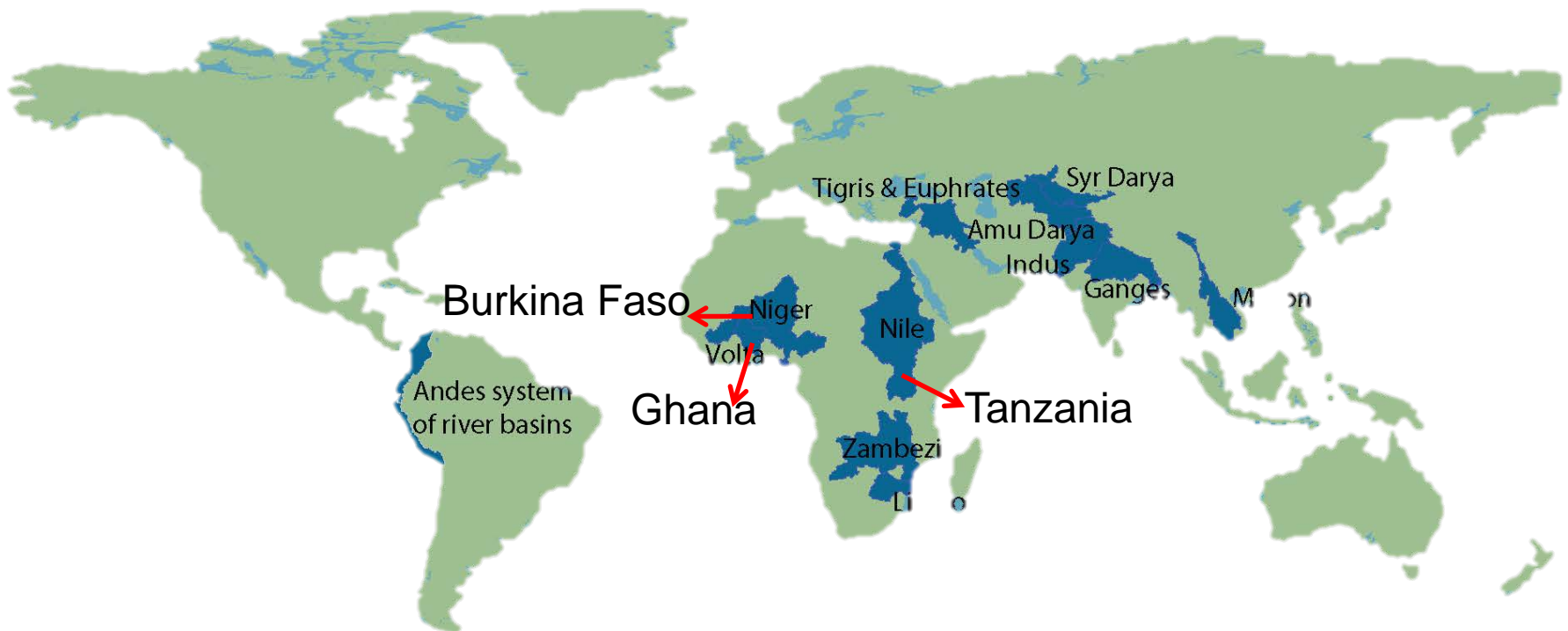
# SNAP Making Ecosystem Services Count in the SDGs

- Develop ES-based indicators that speak to the SDGs
  - Translate a landscape ES change into an SDG metric
  - Large infrastructure investments e.g. dams, irrigation schemes, processing facilities
1. Expert working group
  2. Stakeholder Consultation
  3. Modeling workshop
  4. Review with Stakeholder



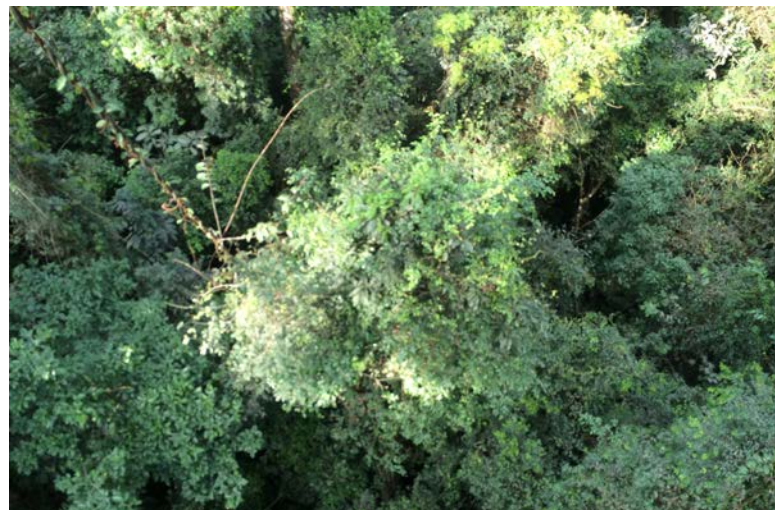
# Stakeholder Consultation

- Tanzania, Ghana and Burkina Faso
- Ministries, National level NGOs and IOs
- Prioritize themes for indicator development





**Water scarcity & Water quality**



**Non-timber forest values**

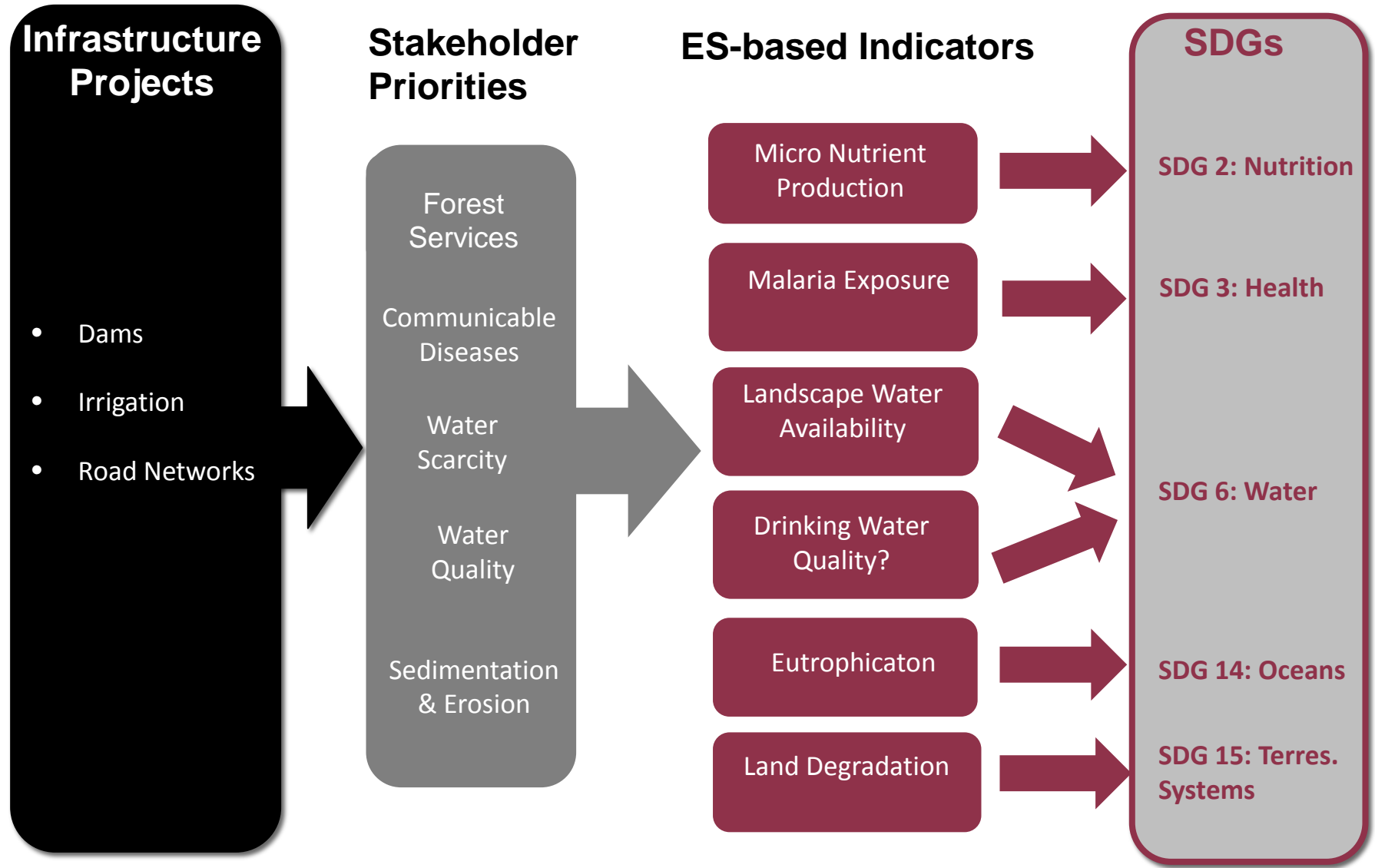


**Water-related diseases**



**Sedimentation + Soil Erosion**

# Developing SDG Indicators





# Moving Forward

- Test landscape in the Volta Basin
- 1000 small dam projects





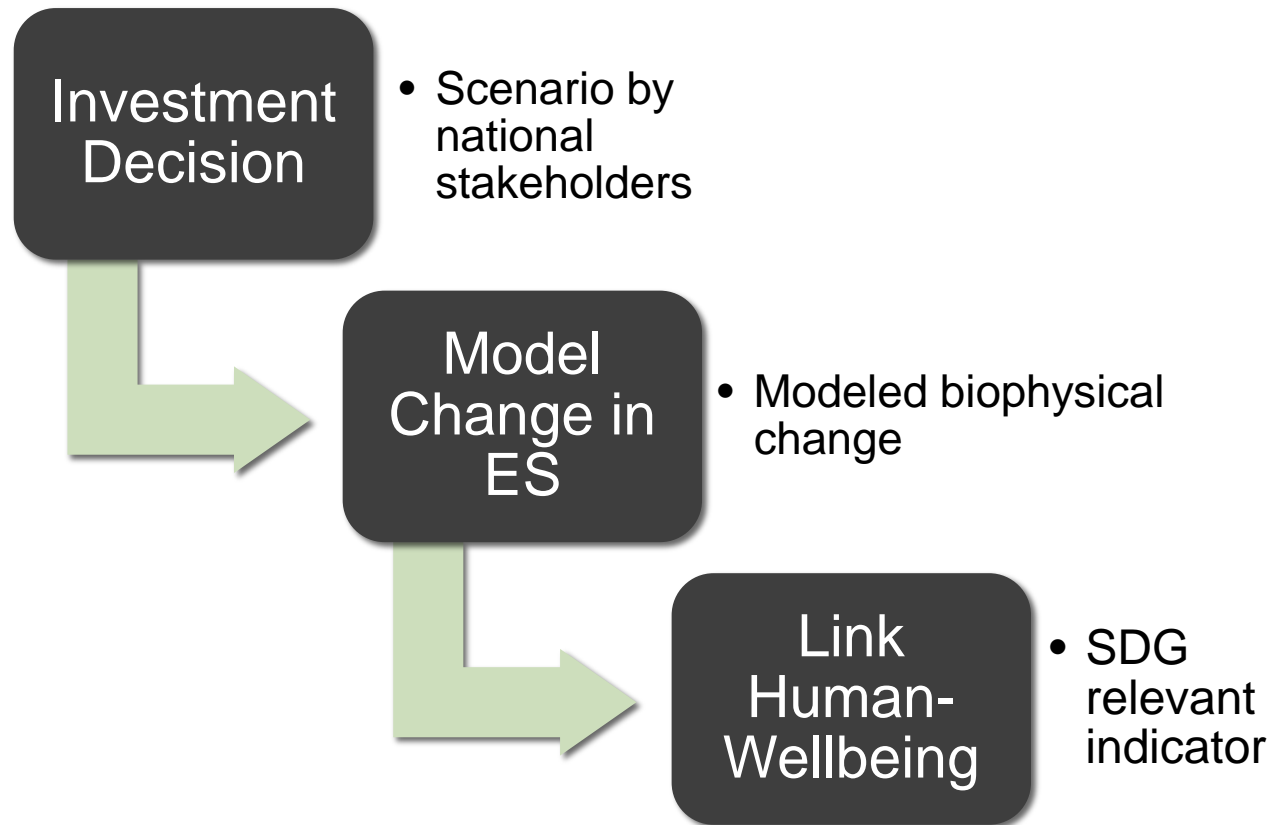
# Thank you!

- Fabrice DeClerck
- Justin Johnson
- Sarah Jones
- NCEAS SNAP working group
- WLE
- Partners at NatCap

# Current SDG Indicators

- Traditional conservation and natural resource bias
- No ecosystem service concepts
- Lack link between environment and human-wellbeing
- Not forward looking (projected) for planning purposes

# SDG Valuation Framework







# 7 Sustainable Development Goals

Achieve gender equality and empower all women and girls

End poverty in all its forms everywhere

Ensure healthy lives and promote well-being for all at all ages

Ensure inclusive and equitable quality education and promote life-long learning opportunities for all





**Ensure** availability and sustainable management of **water and sanitation** for all

**Ensure access** to affordable, reliable, sustainable and modern **energy**

**Promote** sustained, inclusive and sustainable **economic growth** full and productive employment and decent work for all

**Build resilient infrastructure**, promote inclusive and sustainable industrialization and foster innovation



**Reduce inequality** within and among countries

**Make cities** and human settlements inclusive, safe, resilient

**Ensure sustainable consumption and production** patterns

**Take urgent action** to combat climate change