





SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS


SUSTAINABLE DEVELOPMENT GOALS

- 
- The Natural Capital Project
 - Nature—Ecosystem Service—SDG linkages
 - Three Stories, Three Scales
 - National
 - Regional
 - Global

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Integrate the values of nature into decisions

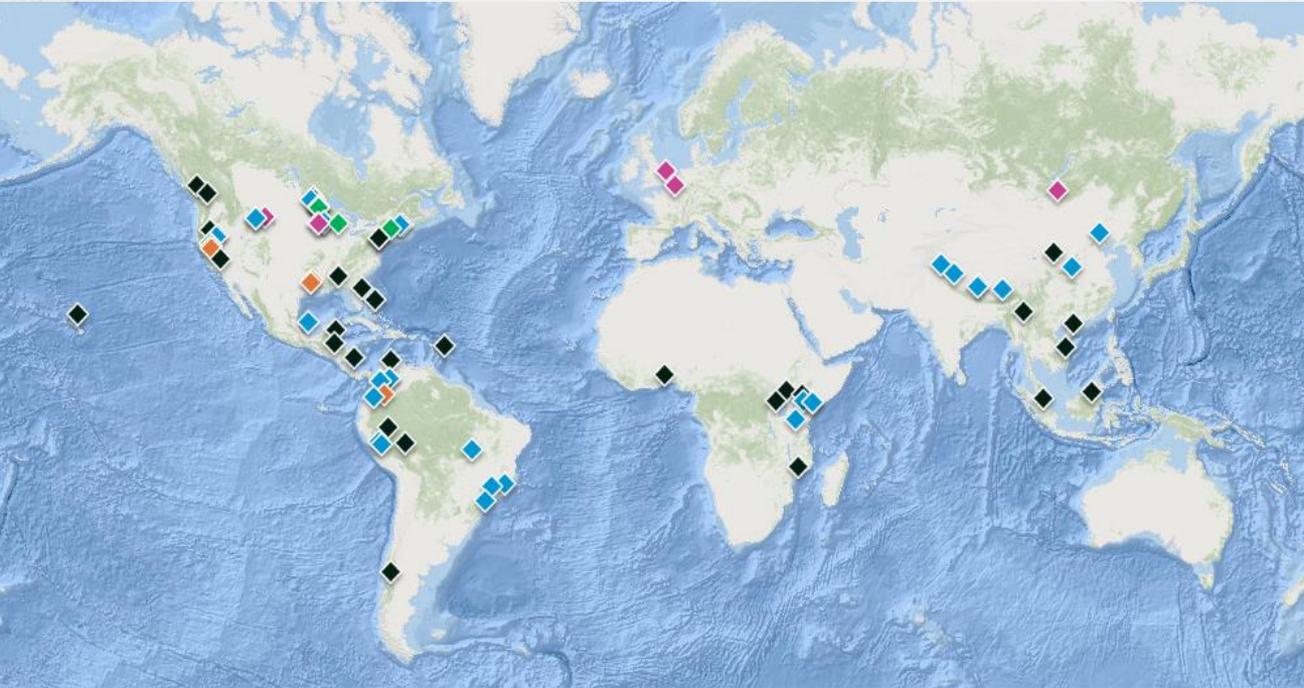


motivate greater, more targeted investments in natural capital



A shepherd wearing a hat and a light-colored shirt stands in a grassy field, herding a large flock of sheep. A black and white dog is sitting in the foreground. The background features rolling green hills and dense forests under a soft, hazy sky.

improve the well-being of people and nature



We work in a wide array of sectors, developing nature-based solutions to problems around the world.

- ◆ Sustainable Development Planning
- ◆ Securing Freshwater
- ◆ Sustainable, Livable Cities
- ◆ Standards for the Private Sector
- ◆ Safe, Resilient Coastal Communities

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1. Direct positive relationship between nature and SDGs
2. Complex relationship with multiple factors affecting SDG achievement (+/-);
3. Bi-directional relationship: Nature affects achievement & achievement affects nature
4. One-way relationship: Achievement affects nature
5. High-level, often indirect relationships between nature and SDGs



IPBES Global Assessment Report Chapter 3 in progress...

1. **Direct positive relationship between nature and SDGs**
2. Complex relationship with multiple factors affecting SDG achievement (+/-);
3. **Bi-directional relationship: Nature affects achievement & achievement affects nature**
4. **One-way relationship: Achievement affects nature**
5. High-level, often indirect relationships between nature and SDGs



IPBES Chapter in progress...

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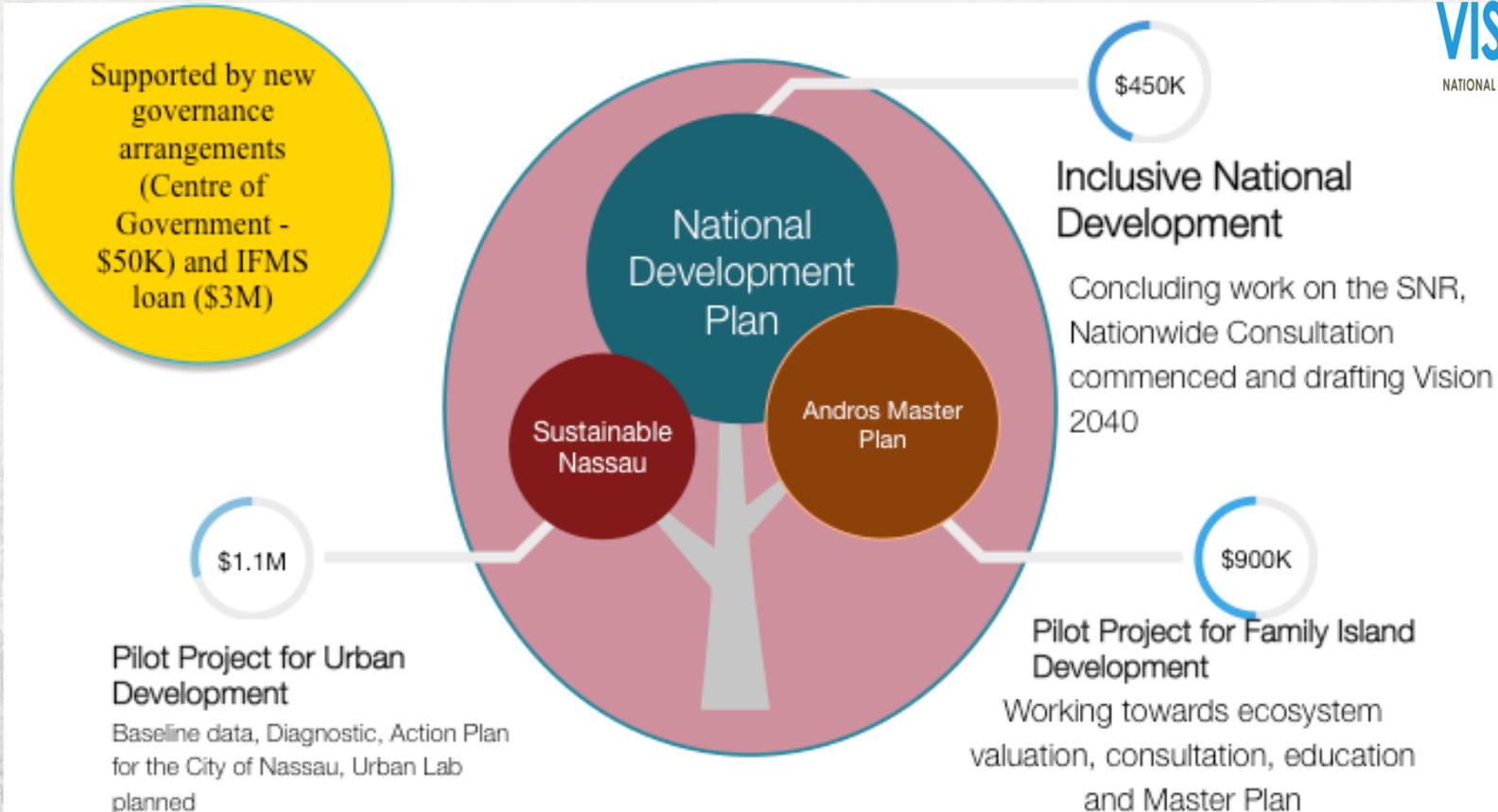
Sustainable Development Goals

National development planning

Development Planning in The Bahamas



VISION2040
NATIONAL DEVELOPMENT PLAN OF THE BAHAMAS



#15Goals-to-Greatness

01 > **Modern, Open and Accountable Government** 

02 > **Strong Public Institutions** 

03 > **A Law Abiding Society** 

04 > **Administration of Justice** 

05 > **Modern, Sustainable, Accessible Health-care** 

06 > **Best-in-class Education** 

07 > **Eradicate Poverty and Discrimination** 

08 > **A Fair Land Tenure & Administration System** 

09 > **Effective Interconnected Transport** 

10 > **Modern Infrastructure** 

11 > **Sustainable Natural Environment** 

12 > **A Healthy Macro-economy** 

13 > **A Competitive Business Environment** 

14 > **A Diversified & Resilient Economy** 

15 > **A Fair, Flexible Labour Regime** 



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Governance

11 SUSTAINABLE CITIES AND COMMUNITIES 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 
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Human Capital

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 
5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION 	10 REDUCED INEQUALITIES 	

Environment

6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	11 SUSTAINABLE CITIES AND COMMUNITIES 
12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 

Economy

8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	17 PARTNERSHIPS FOR THE GOALS 
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Map current and future ecosystem services



Map current and future ecosystem services



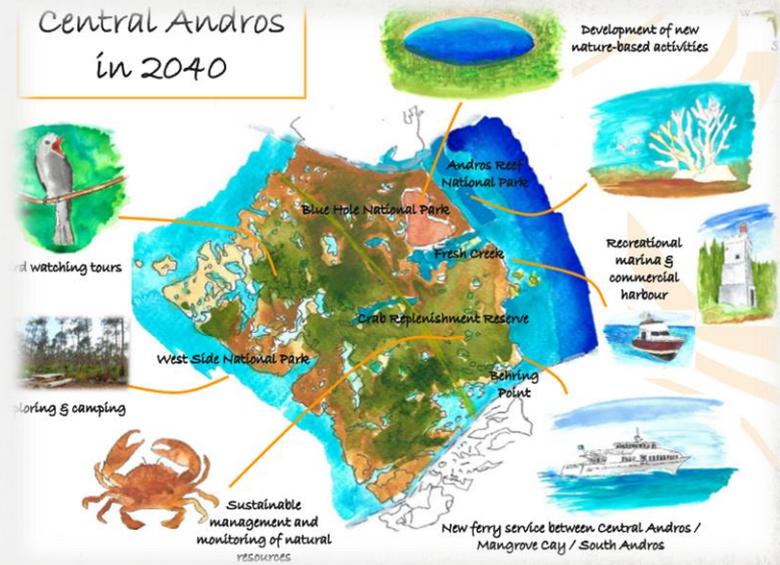
Map current and future ecosystem services



North Andros in 2040



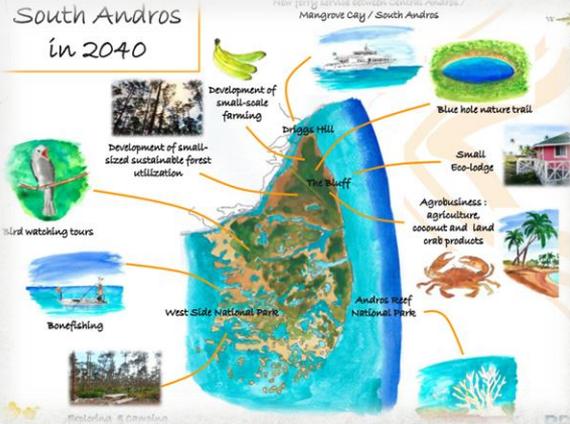
Central Andros in 2040



Mangrove Cay in 2040



South Andros in 2040



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Volta Basin Authority-- Strategic Action Plan



Volta Basin - West Africa

- River
- Volta Basin



GLOWA Volta, 2007
ZEF - Zentrum für Entwicklungsforschung/
Center for Development Research
University of Bonn
map design: Christian Sebaly

INSTITUTE ON THE
ENVIRONMENT

UNIVERSITY OF MINNESOTA
Driven to Discover™

natural
capital

PROJECT

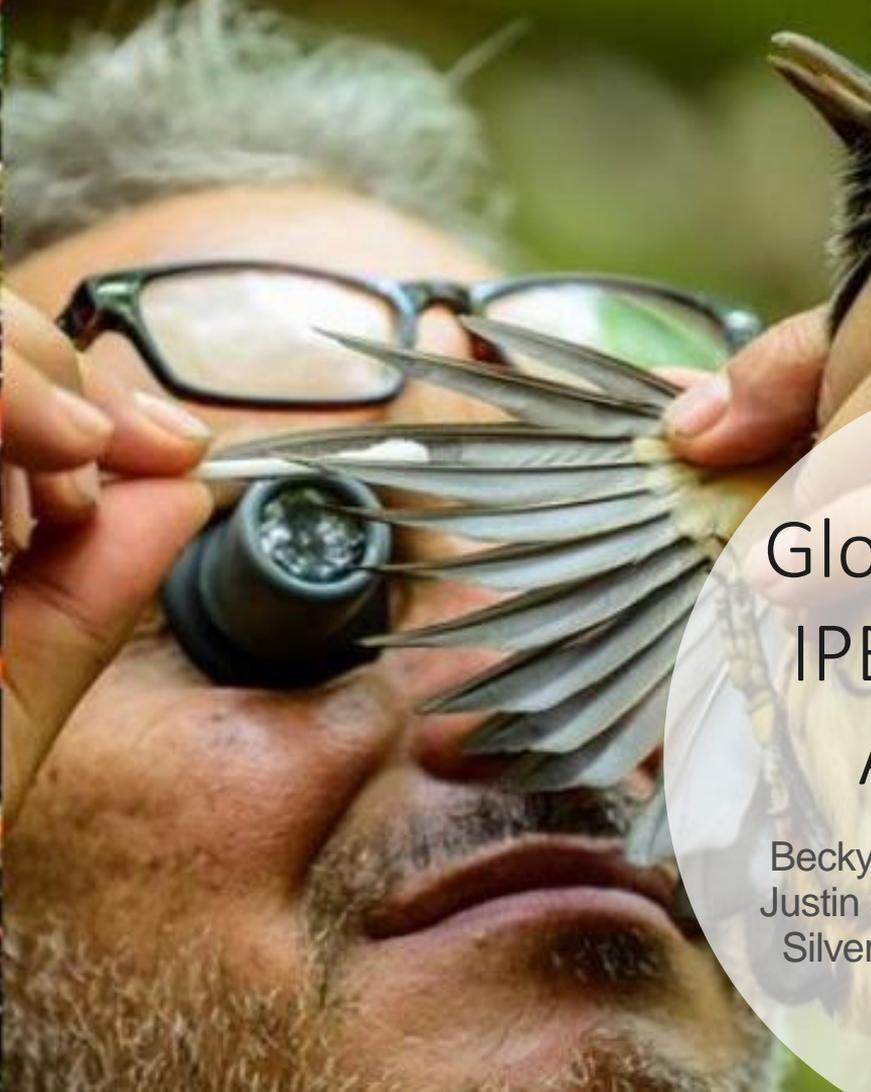




Relative impacts of scenarios on SDGs

(based on % change in ecosystem service supply from business as usual scenario)

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Global InVEST for IPBES Scenarios Assessment

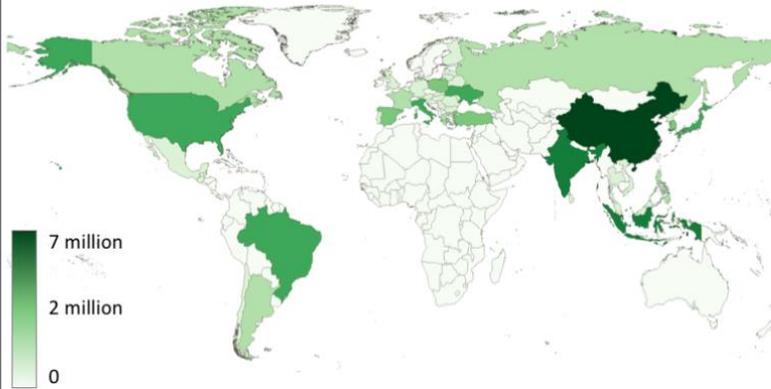
Becky Chaplin-Kramer, Rich Sharp,
Justin Johnson, Kate Brauman, Jess
Silver, Adrian Vogl, Charlotte Weil,
Steve Polasky



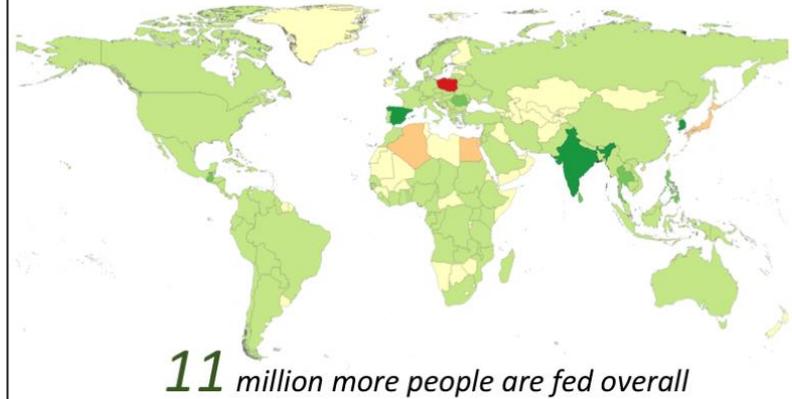
Ecosystem Services for Global Assessment



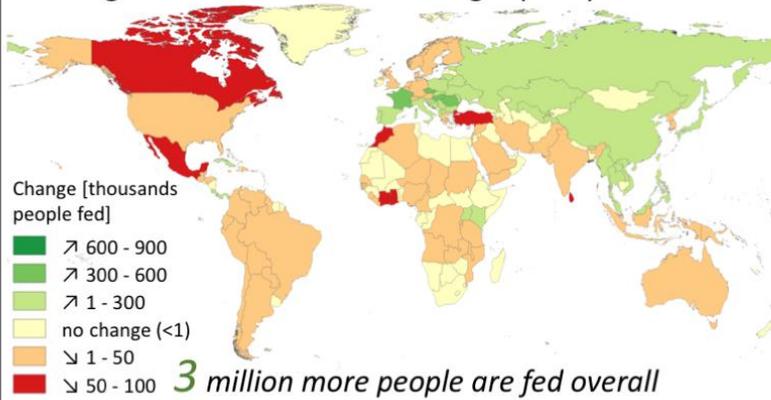
People currently fed by wild pollinators



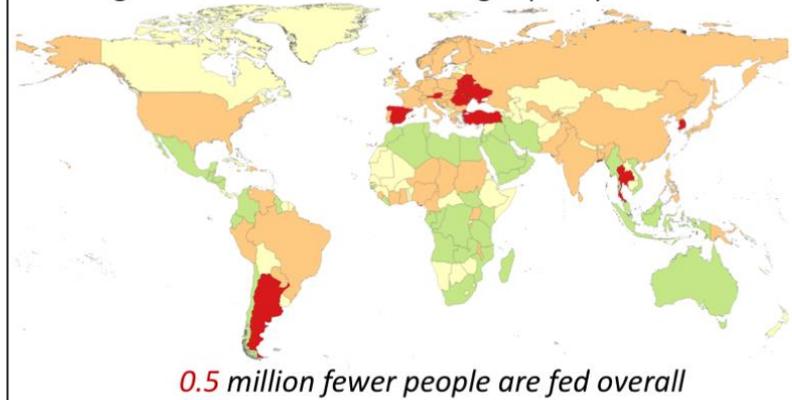
Change in Wild Pollinators feeding capacity under SSP1



Change in Wild Pollinators feeding capacity under SSP3



Change in Wild Pollinators feeding capacity under SSP5



Wild pollinators feeding capacities

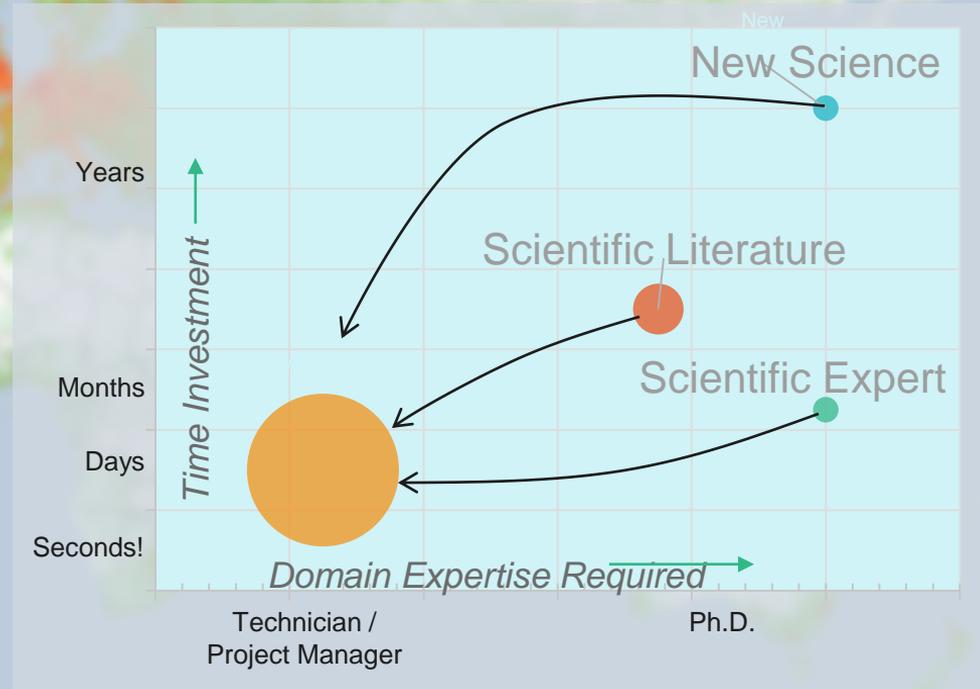
(according to dietary requirements, in terms of calories and key nutrients: iron, folate and vitamin A)

The NatCap Software Platform

InVEST

integrated valuation of
ecosystem services
and tradeoffs

The distillation of science into software models and the distribution of that software to anyone who can use it.



Take-homes

- Nature and nature's contributions to people are critical to achieving many SDGs
- Global prosperity requires acknowledgment of interconnections between the human enterprise and nature
- We have the science, tools, and understanding today to explore trade-offs and synergies and to use information about these linkages to make smarter decisions for a more sustainable world

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