

**CLIMATE RESILIENCE FOR IMPROVING GREEN PRODUCTIVITY
IN MYANMAR
THE IMPERATIVE OF HOW & NOW**

Presentation By

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LINKAGES

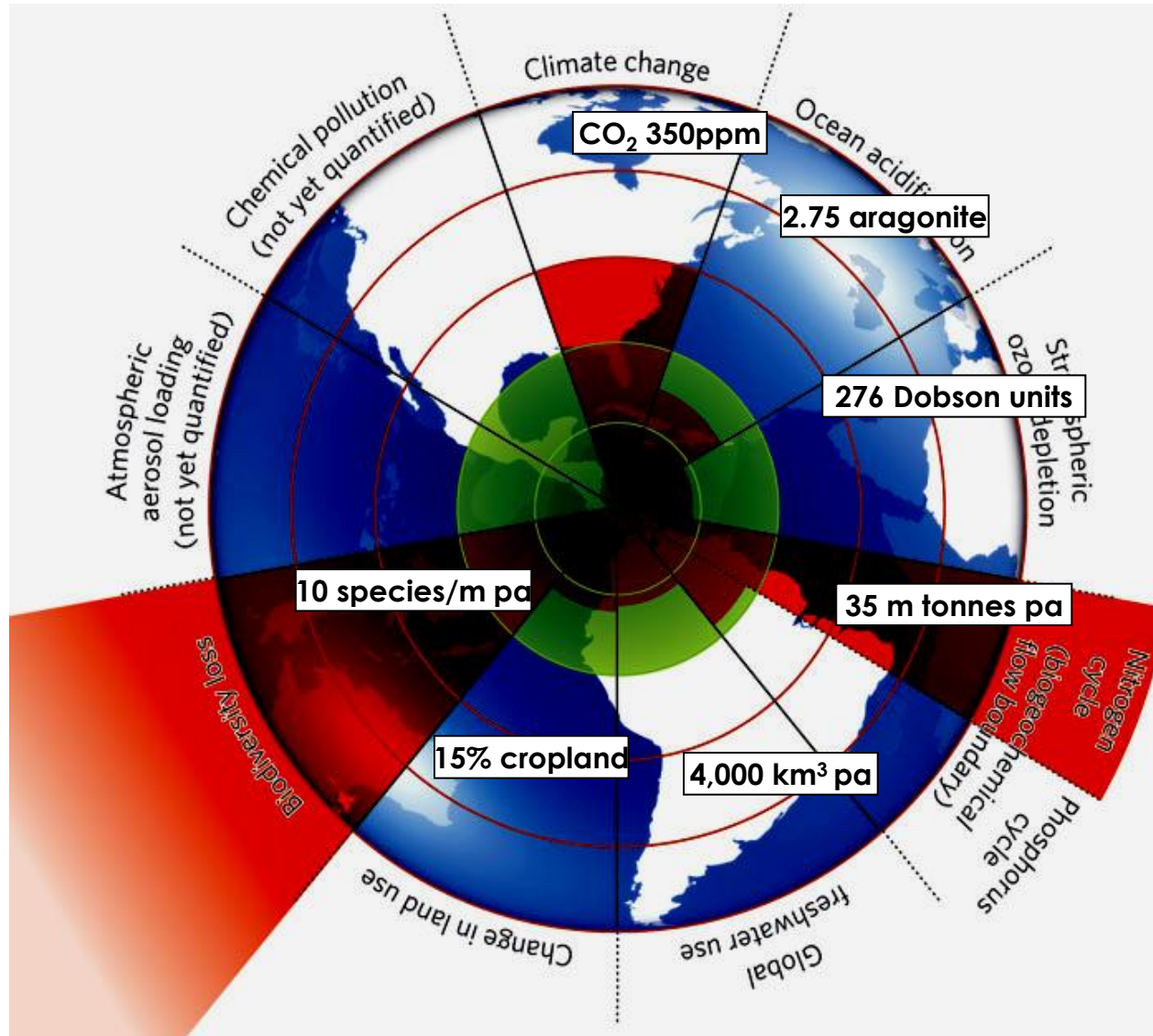
QUANTITY

QUALITY

FOOD SECURITY & SAFETY

Emerging Challenges: Nine Planetary Boundaries.

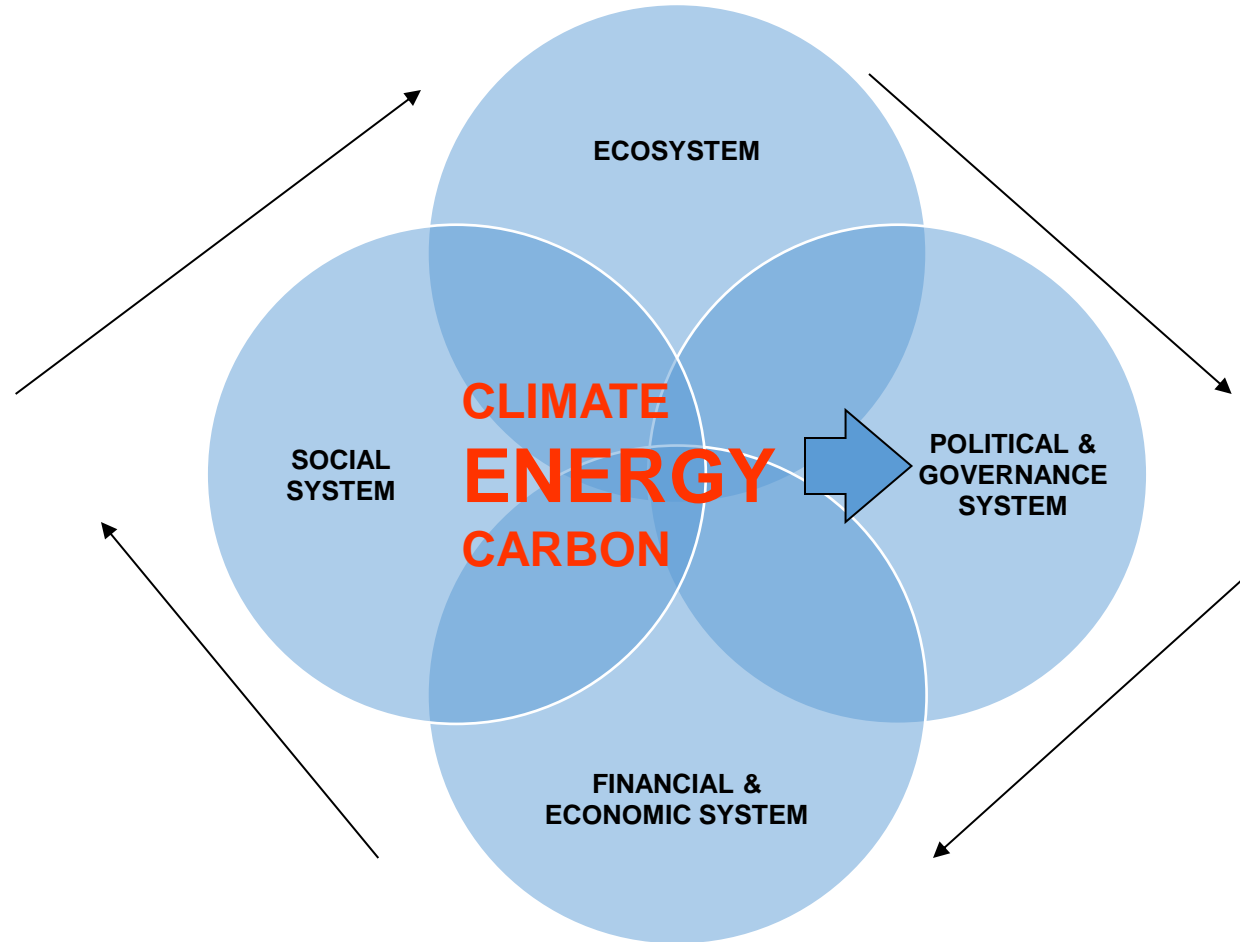
Interconnectedness



Source: Stockholm Resilience Centre

GREAT TRANSFORMATIONS

Systems & Systemic Drivers



FOOD SAFETY & SECURITY; WATER; HEALTH & WELL BEING

**FARMER'S LIVELIHOODS AFFECTED BY
SYSTEMIC LINKAGES & CHANGES
IMPERATIVE FOR SUSTAINED, SAFE,
SECURE, EQUITABLE LIVELIHOODS**

**TWO - THIRDS + MYANMAR POPULATION IN
RURAL AREAS**

**AGRICULTURE, FARMING , FARMERS PLAYS A
CRITICAL ROLE IN ECONOMIC DEVELOPMENT
AND POVERTY ALLEVIATION**

- **CLIMATE CHANGE NOT ONLY AFFECTS PRECIPITATION PATTERNS, RAINFALL, DROUGHT, WATER STRESS, EXTREME WEATHER, HYDROMETEOROLOGICAL DISASTERS,**
- **BUT ALSO EMREGING AND RE-EMERGING DISEASES , INVASIVE SPECIES.**
- **HEALTH AND WELL BEING OF PEOPLE, FARMERS ARE AFFECTED, WITH SOCIAL, ECONOMIC AND LIVELIHOODS CONSEQUENCES.**

**FERTILIZERS, PESTICIDES, ANTIBIOTICS,
HORMONES, ENERGY USE IN MYANMAR
AGRICULTURE ARE LOW**

**THE QUALITY OF THE PRODUCE IS GOOD
AND SAFE**

INCREASING AGRICULTURE PRODUCTIVITY

NEED TO CAREFULLY CONSIDER

- ❖ IMMEDIATE / SHORT TERM GAINS
- ❖ LONG TERM SUSTAINABILITY AND GENERATIONAL BENEFITS
 - QUANTITY
 - QUALITY

MYANMAR HAS UNIQUE AND UNPRECEDENTED OPPORTUNITY FOR AGRICULTURE PARADIGM CHANGE AND LEAP FROG

URGENCY TO PROMOTE AND INCREASE SUPPORT E.G. FOR

- ✓ **VALUE ADDED POLICIES AND PRACTICES ; SUSTAINABLE AND EQUITABLE AGRO
BASED INDUSTRIES**
- ✓ **SAFE BIOTECHNOLOGIES**
- ✓ **NATURAL PRODUCTS**
- ✓ **CROPS MORE RESISTANT TO DROUGHT , FLOOD RESISTANCE, WARMING
TEMPERATURES**
- ✓ **BIO MIMICRY, INCREASING PHOTOSYNTHESIS**
- ✓ **POST-HARVEST FOOD LOSSES**
- ✓ **AGRICULTURE EDUCATION CURRICULA FOR PARADIGM CHANGE.**

[www. geggmyanmar.org](http://www.geggmyanmar.org)