



Food and Agriculture Organization
of the United Nations

AGRICULTURE FOR DEVELOPMENT

Enhanced national natural resources management policies for
growth and food security

Maher Salman

Land and Water Division (NSL), FAO

Tunis, 16 December 2022

Regional gathering
Tunis, 12 – 16 December 2022



ITALIAN AGENCY
FOR DEVELOPMENT
COOPERATION

THE EVOLUTION OF NATURAL RESOURCES POLICIES IN THE GLOBAL THINKING



UN General Assembly Resolution 1803 (XVII), 1962

“...the right of peoples and nations to permanent sovereignty over their natural wealth and resources must be **exercised in the interest of their national development** and of the well-being of the people of the State concerned”

THE EVOLUTION OF NATURAL RESOURCES POLICIES IN THE GLOBAL THINKING



**UN General Assembly
Resolution 1803
(XVII), 1962**



**Stockholm
Declaration,
1972**

“The natural resources of the earth, including the air, water, land, flora and fauna and especially representative samples of natural ecosystems, must be safeguarded for the benefit of present and future generations through **careful planning or management**, as appropriate.”

THE EVOLUTION OF NATURAL RESOURCES POLICIES IN THE GLOBAL THINKING



**UN General Assembly
Resolution 1803
(XVII), 1962**



**Stockholm
Declaration,
1972**



**European Report
on Development,
2012**

“The tight interconnections between **water, energy and land** make clear that the management of each of them cannot be considered in isolation but must be seen as part of an **integrated** system.”

NATURAL RESOURCES FOR SUSTAINABLE DEVELOPMENT AND FOOD SECURITY



STRESSORS AND CONSEQUENCES IN AGRICULTURE

Stressors putting the system at risk

Land degradation



Water scarcity



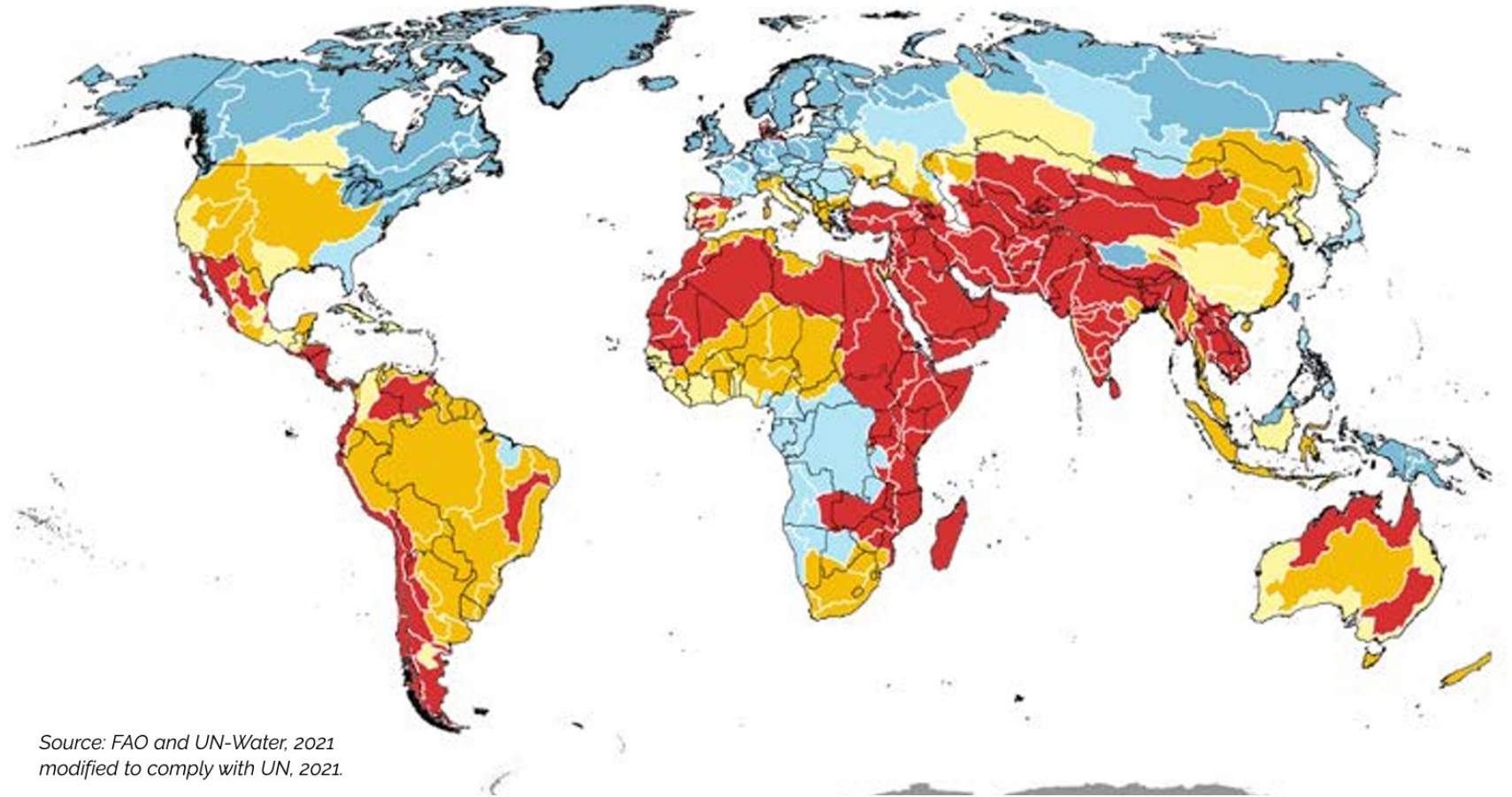
Climate change



WATER CHALLENGES

0 - 10% 10% - 25% 25% - 50% 50% - 75% 75% - 100%

Water stress due to agriculture, 2018

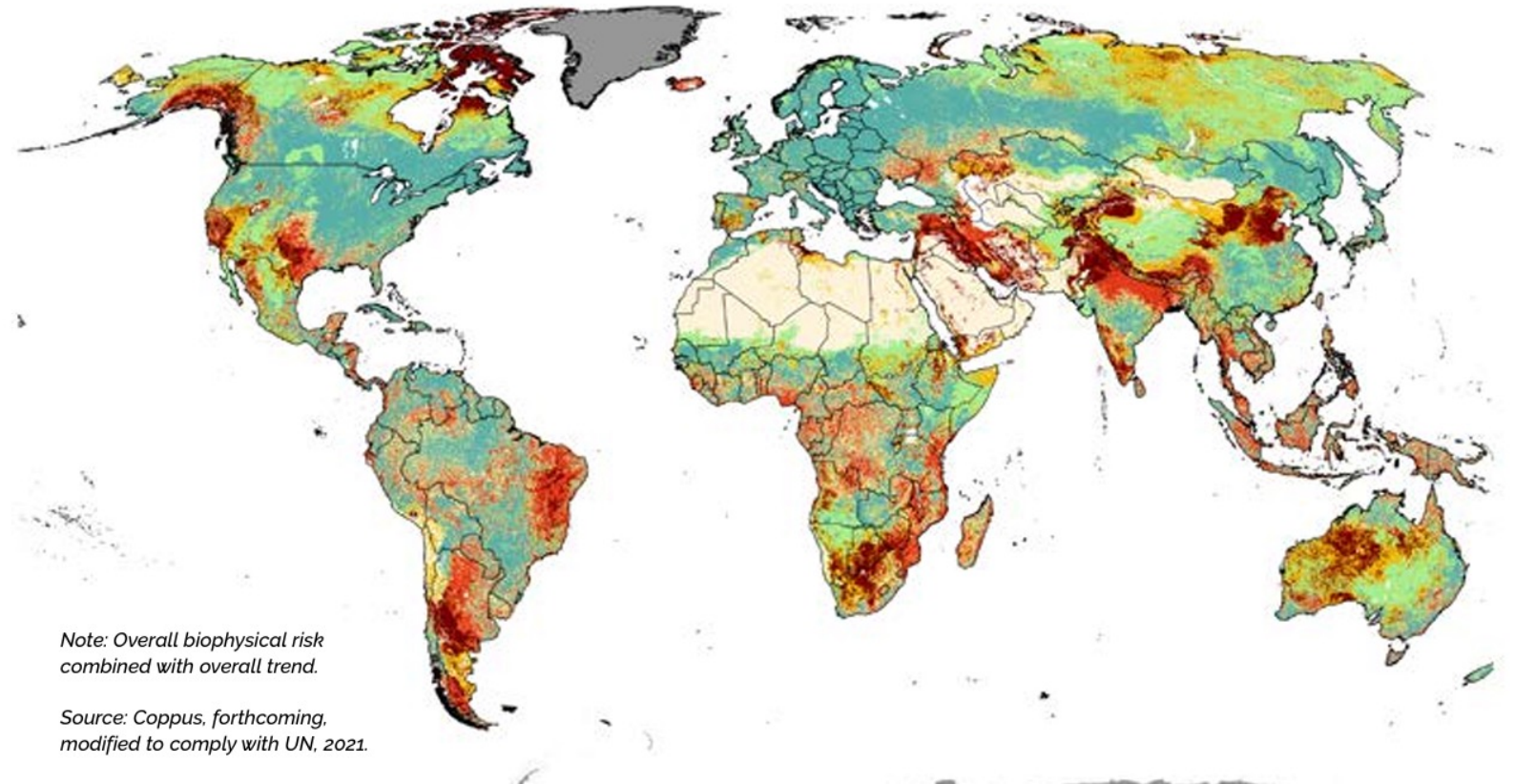
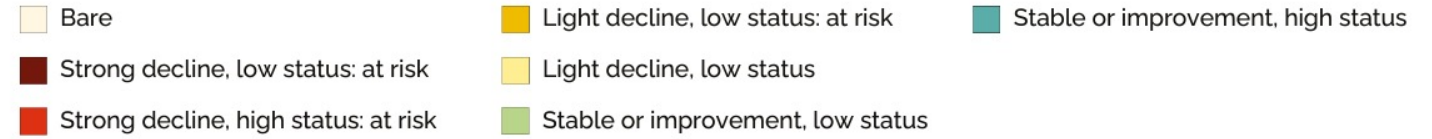


Source: FAO and UN-Water, 2021
modified to comply with UN, 2021.

Dashed lines on maps represent approximate border lines for which there may not yet be full agreement. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Sudan and South Sudan has not yet been determined. Final status of the Abyei area is not yet determined. A dispute exists between the Governments of Argentina and the United Kingdom of Great Britain and Northern Ireland concerning sovereignty over the Falkland Islands (Malvinas).

LAND CHALLENGES

Regions at risk based on status/trends of land resources, 2015

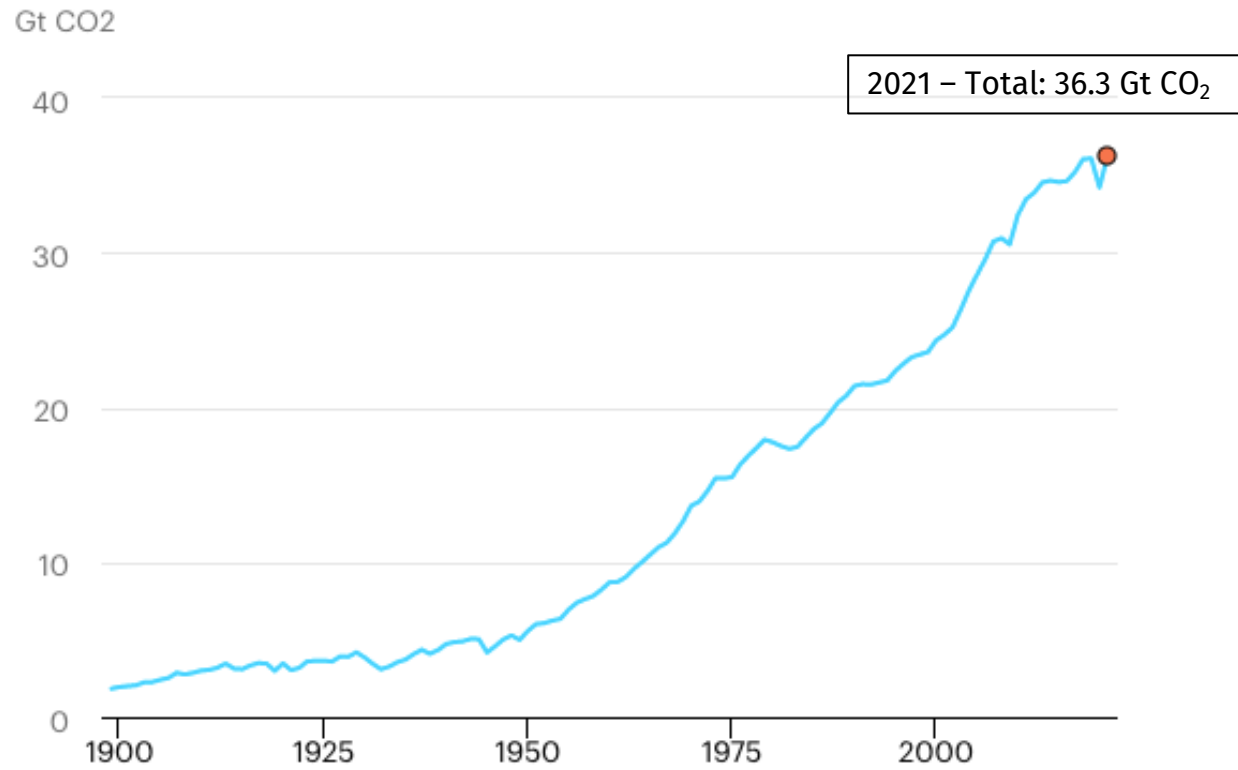


Note: Overall biophysical risk combined with overall trend.

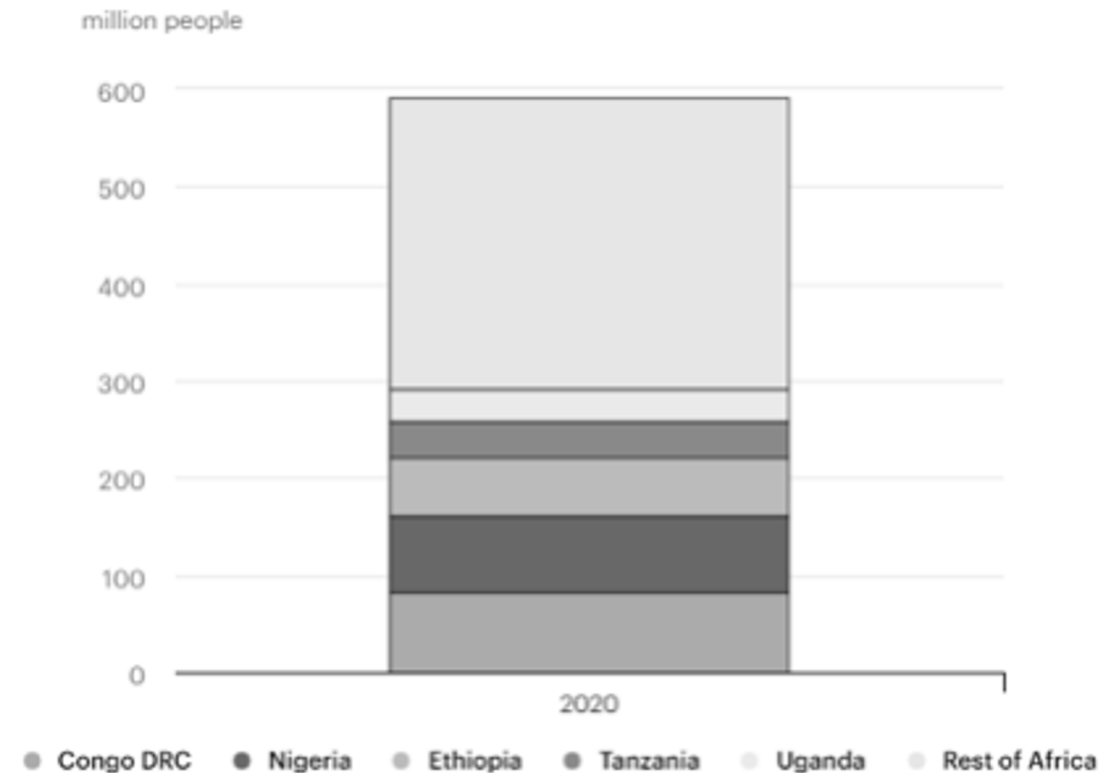
Source: Coppus, forthcoming, modified to comply with UN, 2021.

RENEWABLE ENERGY CHALLENGES

Global energy-related CO₂ emissions, 1990-2021

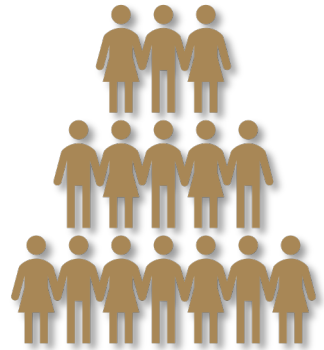


Population without access to electricity by selected countries in Africa, 2020



GLOBAL FOOD SECURITY: THE INCREASING INSECURITY

**828
million**



affected by hunger

11.7%



exposed to severe food insecurity

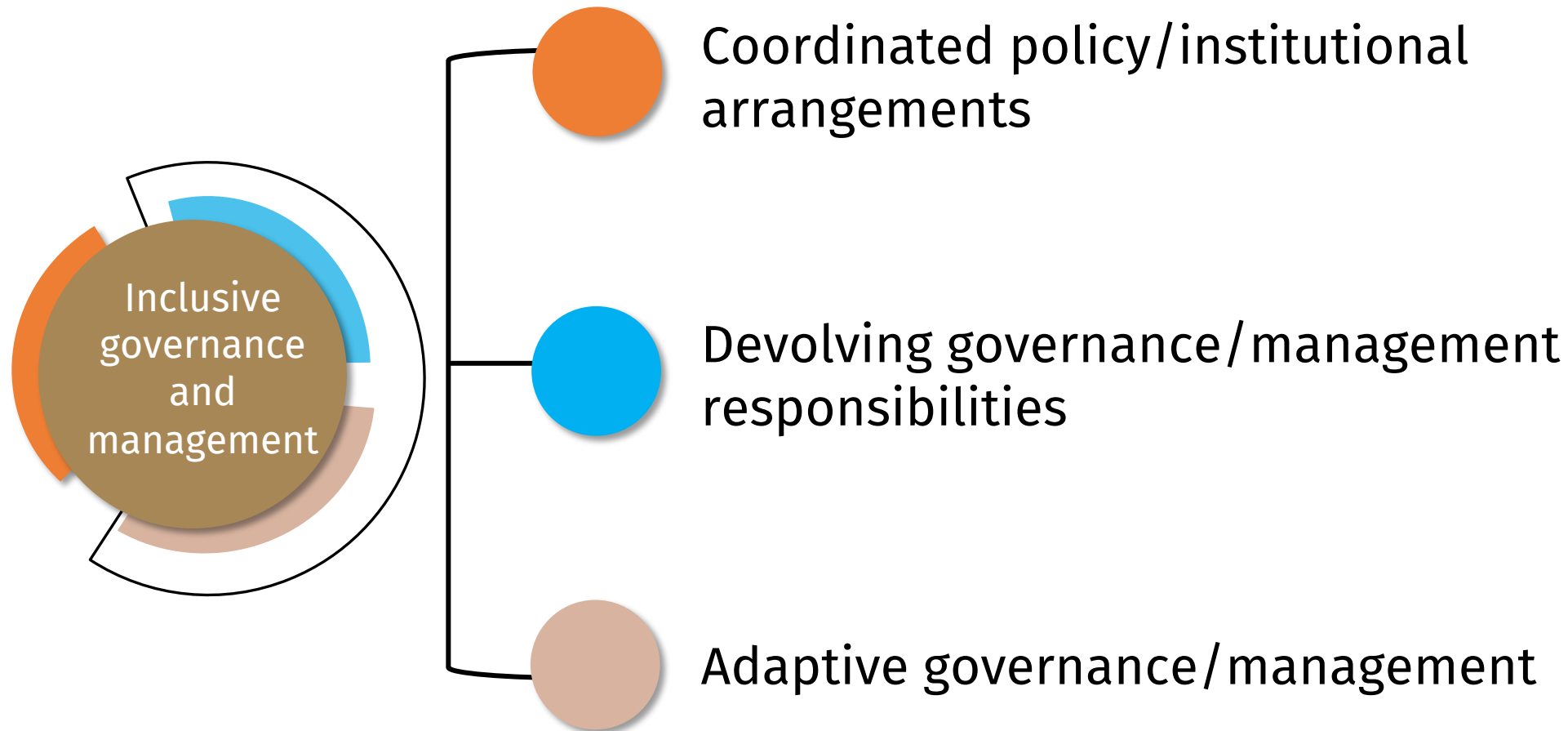
25

million

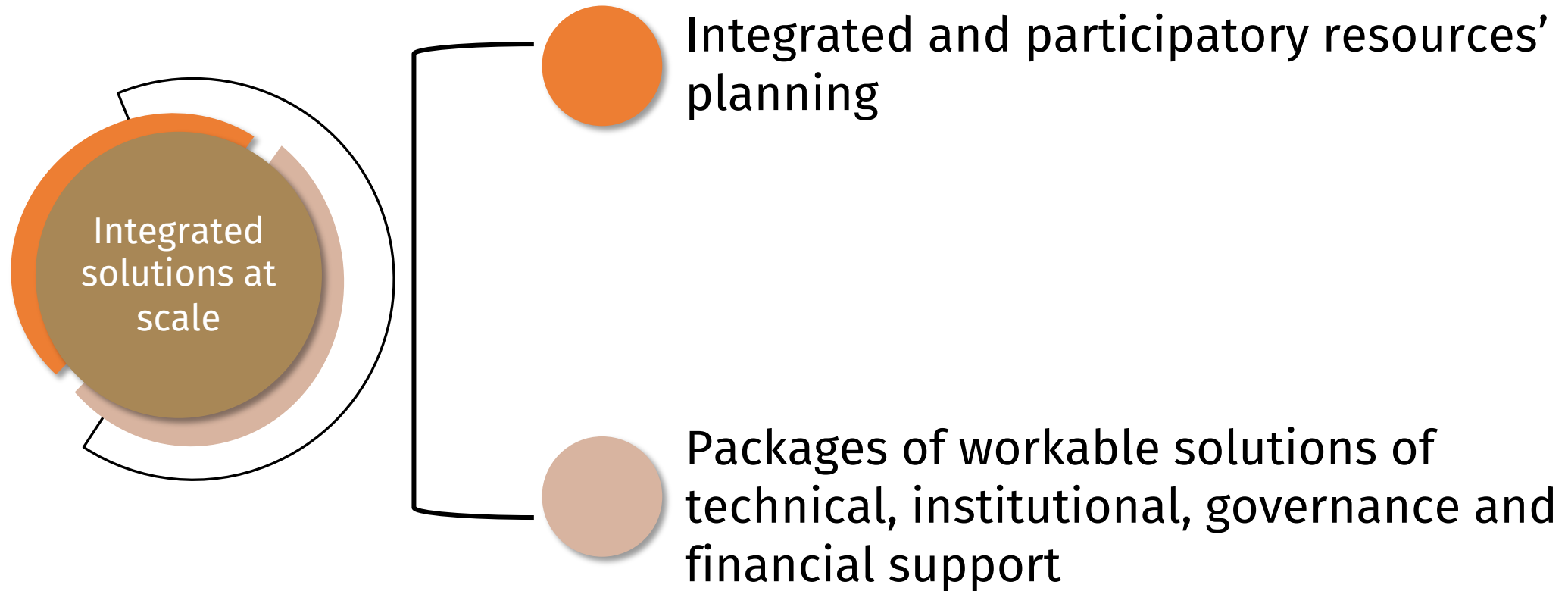


high food insecure affected by
drought

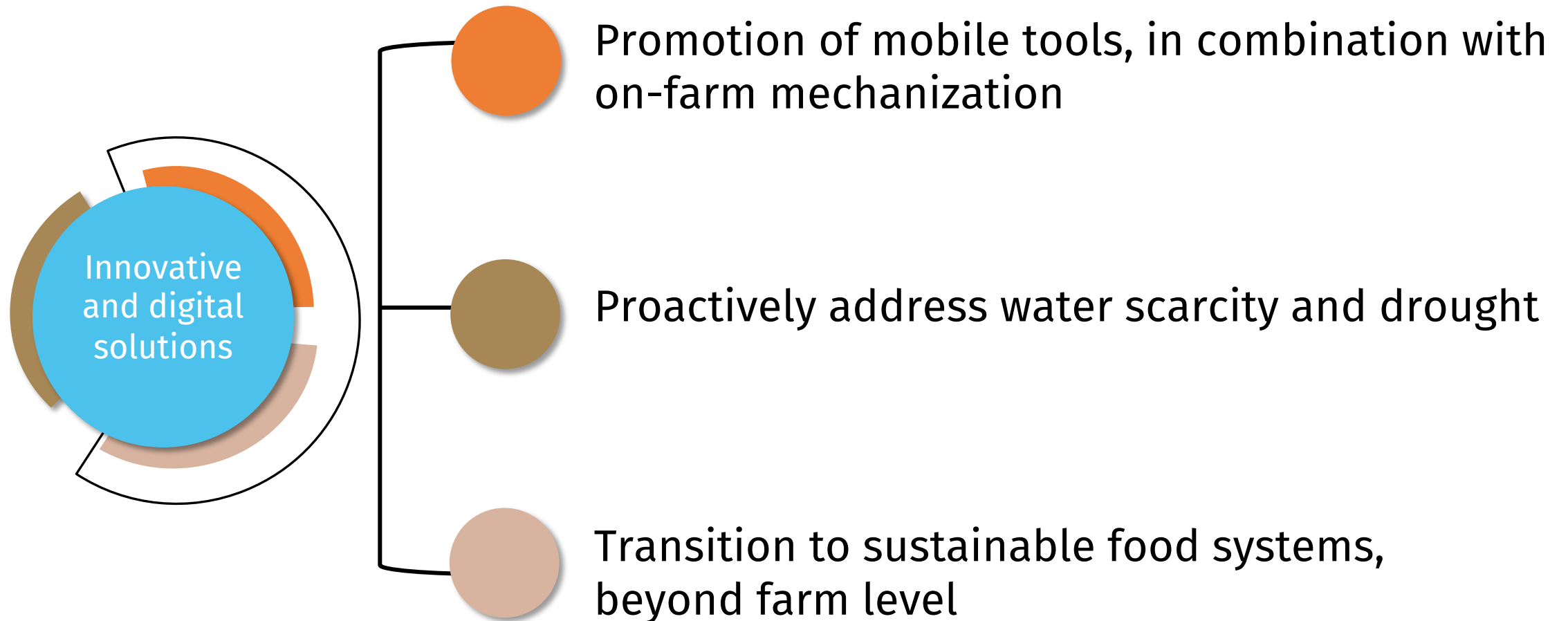
POLICY RESPONSES TO SUSTAIN GROWTH AND DEVELOPMENT THROUGH NATURAL RESOURCES



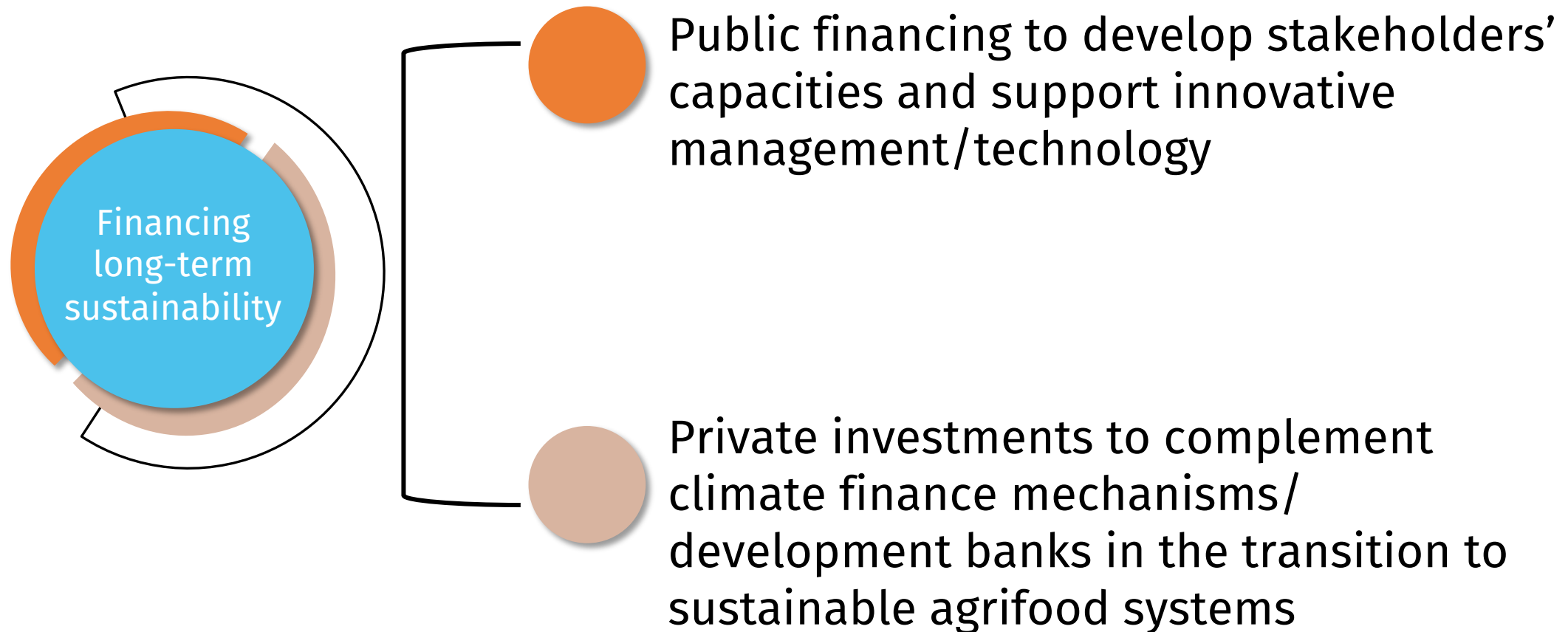
POLICY RESPONSES TO SUSTAIN GROWTH AND DEVELOPMENT THROUGH NATURAL RESOURCES



POLICY RESPONSES TO SUSTAIN GROWTH AND DEVELOPMENT THROUGH NATURAL RESOURCES



POLICY RESPONSES TO SUSTAIN GROWTH AND DEVELOPMENT THROUGH NATURAL RESOURCES



RECOMMENDATIONS AND CONCLUSIONS

Fairness

Inclusion

**4 key
principles**

Transparency

Accountability



شكرا لك

THANK YOU

MERCI