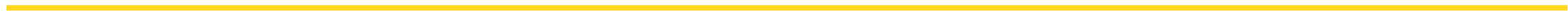
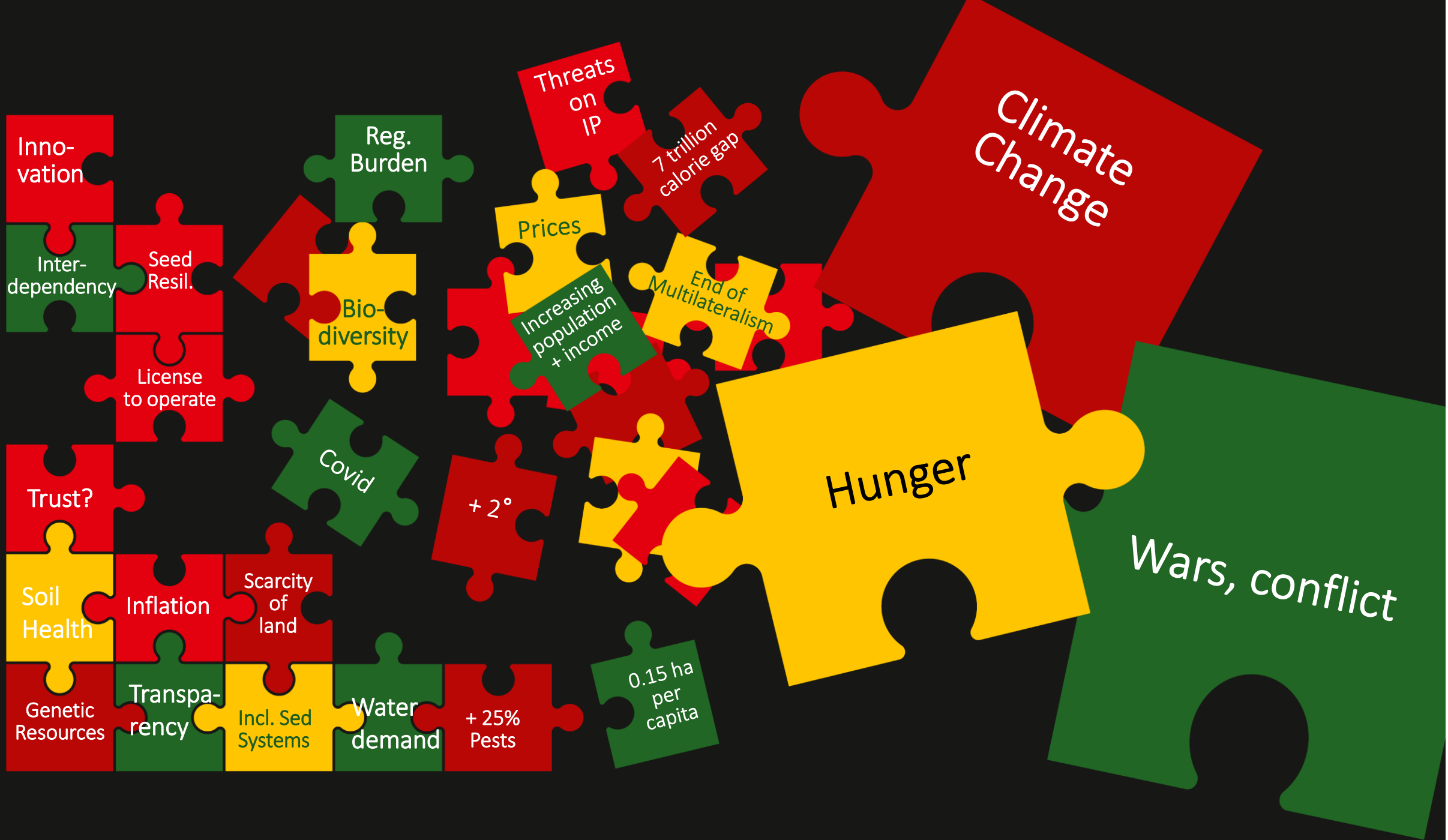


International Seed Federation Perspective

Seminar on the role of plant breeding and plant variety protection in enabling agriculture to mitigate and adapt to climate change - UPOV

Michael Keller
Secretary General, International Seed Federation





Inno-
vation

Inter-
dependency

Seed
Resil.

License
to operate

Trust?

Soil
Health

Inflation

Scarcity
of
land

Genetic
Resources

Transpa-
rency

Incl. Sed
Systems

Water
demand

+ 25%
Pests

Reg.
Burden

Bio-
diversity

Covid

+ 2°

0.15 ha
per
capita

Threats
on
IP

7 trillion
calorie gap

Prices

Increasing
population
+ income

End of
Multilateralism

Climate
Change

Hunger

Wars, conflict

“There is absolutely no doubt that today is the time to gather our strength, complementarity, and diversity to build resilience and to adapt and adjust to a changing world.”



It is now!



“A world where the **best quality seed** is accessible to all, supporting **sustainable agriculture** and **food security**.”



Contribution

through Plant Breeding Innovation

- **Innovation is in our DNA!**
 - Yield, taste, nutritional quality, drought, salinity, disease resistance, pests, etc...
- **Capacity to use all existing breeding tools**
 - Genome editing: + 40 Crops 30 countries
broad range of developers (private + public) –
“improved performances”
- **Access to supporting technologies**
 - Digitalization, Bioinformatics, Big Data,...



Contribution

must be economically sustainable!

- Can a business without intellectual property protection be sustainable?

- Preferred tool : **UPOV**

“Encourage the development of new plant varieties for the benefit of society”



1 NO POVERTY



2 ZERO HUNGER



15 LIFE ON LAND



17 PARTNERSHIPS FOR THE GOALS





... our contributions also depend on alignment of policies at international level...



COMMITTED TO
IMPROVING THE STATE
OF THE WORLD



Breeding

Variety
testing
registration

Variety
protection

Seed
production

Seed
marketing

It's about our joint capacity to provide **seed choice for farmers** to address **climate change** at the local level.





Seed is Life