



UNITED NATIONS
FOOD SYSTEMS
SUMMIT 2021

Grasslands Dialogue Action Track 3 Boosting Nature Positive Production At Scale

January 19, 2021

Agenda



Introduction and welcome

5 min

Dr Rattan Lal, Professor of Soil Science, The Ohio State University



Overview of UN Food Systems Summit

5 min

Martina Fleckenstein, Global Policy Lead, Food Practice, WWF



Key issues for Grasslands/Rangelands

10 min

Nigel Dudley, Senior Conservation Advisor to WWF International



Solution generation

45 min

Leigh Ann Winowiecki, Soil Systems Scientist, World Agroforestry (ICRAF)



Wrap-up and close

10 min

Dr Rattan Lal, Professor of Soil Science, The Ohio State University



Guided by five **Action Tracks**, the Summit will bring together key stakeholders from all over the globe to achieve tangible and positive changes to the world's food systems



Ensure access to safe and nutritious food for all

1



Shift to sustainable consumption patterns

2



Boost nature-positive production

3



Advance equitable livelihoods

4



Build resilience to vulnerabilities, shocks and stress

5

Goal

The goal is to boost **nature-positive** production systems at scale to globally meet the fundamental human right to healthy and nutritious food while operating within planetary boundaries.
(includes Food Loss and supply/value chain)

Our Approach

Protect natural ecosystems against new conversions for food and feed production

Manage sustainably existing food production systems to the benefit of both nature and people

Restore and rehabilitate degraded ecosystems and soil function for sustainable food production.

Resilient landscapes
for human, animal and environmental health



EXPECTED OUTCOMES OF THE SUMMIT



Prepare a final short **ambition statement** that sets out the ambition, challenge, opportunity and solutions, and explains **synergies and trade-offs** for the other Action Tracks



Receive and build out the **evidence base**, issues, and important knowledge gaps of the Action Track



Develop and identify aligned game-changing and systemic solutions under the Action Track for presentation at the Summit



Present mechanisms that foster, encourage and allow the **alignment of initiatives** and actions/solutions



Identify and proactively **engage with “pace setter” countries, communities, companies, coalitions of action** and others to advance action and commitment to action



Articulate Post-Summit Activities and Change Implementation, as well as an accountability mechanism.

Game-changing solutions...



...delivers greater **impact...**



...at **scale...**



...on the most **urgent** challenges

APPROACH TO DEVELOP GAME CHANGING SOLUTIONS



January - February

- **Generate a long-list** of thematic and cross-cutting game-changing solutions

March - May

- **Shortlist solutions**, synthesising across Action Tracks
- Continue to **refine with input** from interested stakeholders¹

Pre-summit (June)

- **First external presentation** of solutions followed by **further engagement**

KEY ISSUES FOR GRASSLANDS / RANGELANDS

*Nigel Dudley, Senior Conservation Advisor to
WWF International*

CHALLENGES FACING NATURAL AND SEMI-NATURAL GRASSLAND AND SAVANNAH



Conversion, to:

- Agricultural crops, biofuels and timber plantations
- Monocultures of non-native grasslands
- Urban areas, infrastructure etc



Degradation, from:

- Over-grazing, leading to land degradation, erosion
- Under-grazing, leading to woody encroachment
- Poor irrigation, leading to salinisation
- Drainage of wet pasture, damaging ecosystem services and biodiversity
- Changes to the fire ecology, including too much or too little fire



Climate change



Leading to a range of impacts on culture, society and ecosystem services, including biodiversity

SOLUTIONS GENERATION STRUCTURED AROUND 8 KEY ISSUES

#1 Degradation	Degradation of rangeland/grassland and potential to restore ecosystem services
#2 Biodiversity loss	Biodiversity loss in grasslands and low levels of protection (only 8% protected)
#3 GHG emissions	GHG emissions through conversion for food production and sequestration potential of grassland
#4 Impact on society	Social, economic and cultural values of grassland and impacts of degradation
#5 Knowledge gaps	Gap on knowledge and technical support for restoration
#6 Policy response	Absence of institutional framework and policy for restoration; risk of poorly-planned restoration efforts damaging natural grassland (e.g. large afforestation programmes)
#7 Investment	Lack of financial (private) investments for restoration and rehabilitation
#8 Fresh water	Importance of grassland as storage and filter for Freshwater and hence linkage to food security (pastoralist)

What are the
solutions...

... the **strategies...**

... and the **actions**
we need?

IDEA GENERATION – MIRO BOARD


*Leigh Ann Winowiecki,
Soil Systems scientist,
World Agroforestry
(ICRAF)*

Key Issues								
	#1 Degradation	#2 Biodiversity loss	#3 GHG emissions	#4 Impact on society	#5 Knowledge gaps	#6 Policy response	#7 Investment	#8 Fresh water
Global	Degradation of rangeland/grassland and potential to restore ecosystem services	Biodiversity loss in grasslands and low levels of protection (only 8% protected)	GHG emissions through conversion for food production and sequestration potential of grassland	Social, economic and cultural values of grassland and impacts of degradation	Gap on knowledge and technical support for restoration	Absence of institutional framework and policy for restoration; risk of poorly-planned restoration efforts damaging natural grassland (e.g. large afforestation programmes)	Lack of financial (private) investments for restoration and rehabilitation	Importance of grassland as storage and filter for Freshwater and hence linkage to food security (pastoralist)
Regional								
National								
Solutions: What are the game-changing solutions to address this issue?			Carbon sequestration in soil					
Strategies: What are the levers we can use to implement these solutions?								
Actions: How do we translate these strategies into tangible actions?								

Link to Miro board will be posted in the chat:

<https://miro.com/welcomeonboard/XA97bmJZw6yHIQO4yfOWe4FR3kuQi3BjWrl2jwi5eFI7HH86zyEFOpLJI9kWUeVI>

NEXT STEPS



We will share a summary of the discussion with all participants after this call

Your ideas will be considered for inclusion and submission to Action Track 3 as we refine our shortlist of solutions

We will give an update on the solutions developed for the UN Food Systems Summit in the February Grasslands Dialogue meeting

Additional written input is very welcome and further solutions can also be submitted through our public survey:

https://docs.google.com/forms/d/1uwN1lpecBCoHOyvUuXHB6zA59xbQl3veKgYLulrrjcY/viewform?edit_requested=true

The survey can also be accessed, along with further information about the work of 'Action Track 3' on the Summit website

<https://www.un.org/en/food-systems-summit/action-tracks>