



SALAD
Saline AgricuLture for ADaptation

Upscaling Saline Agriculture

Brussels, April 16th, Pim van Tongeren

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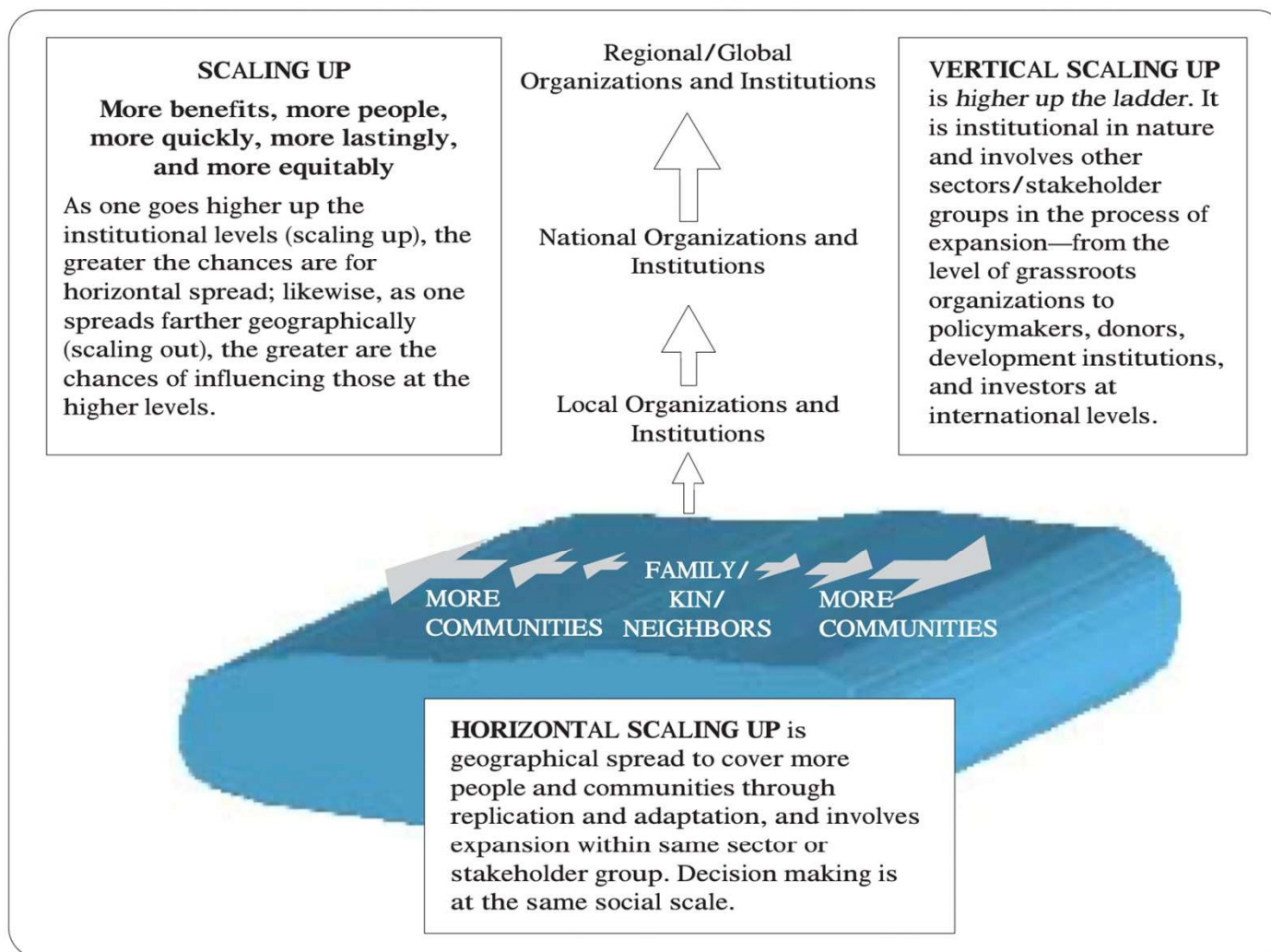
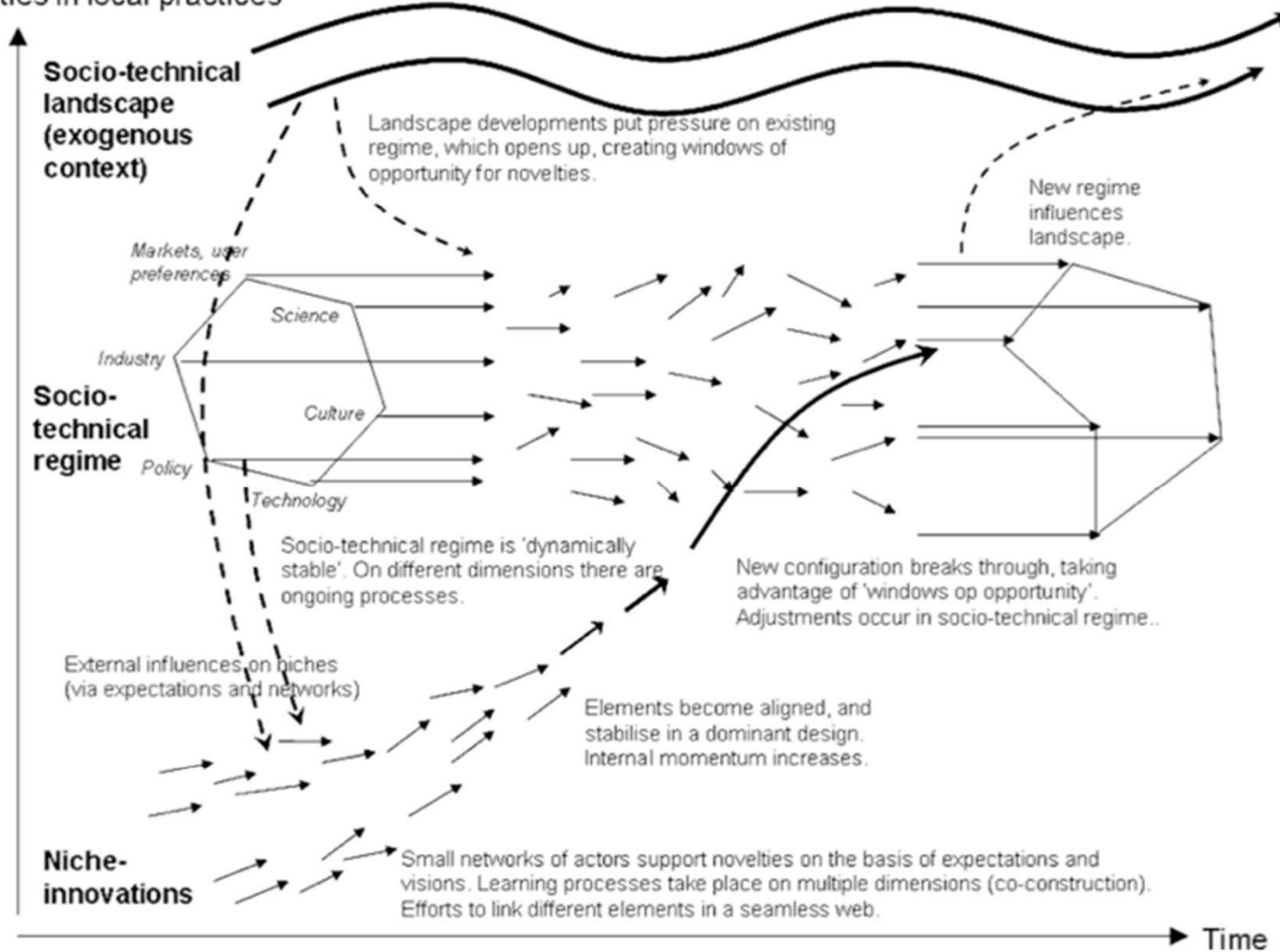
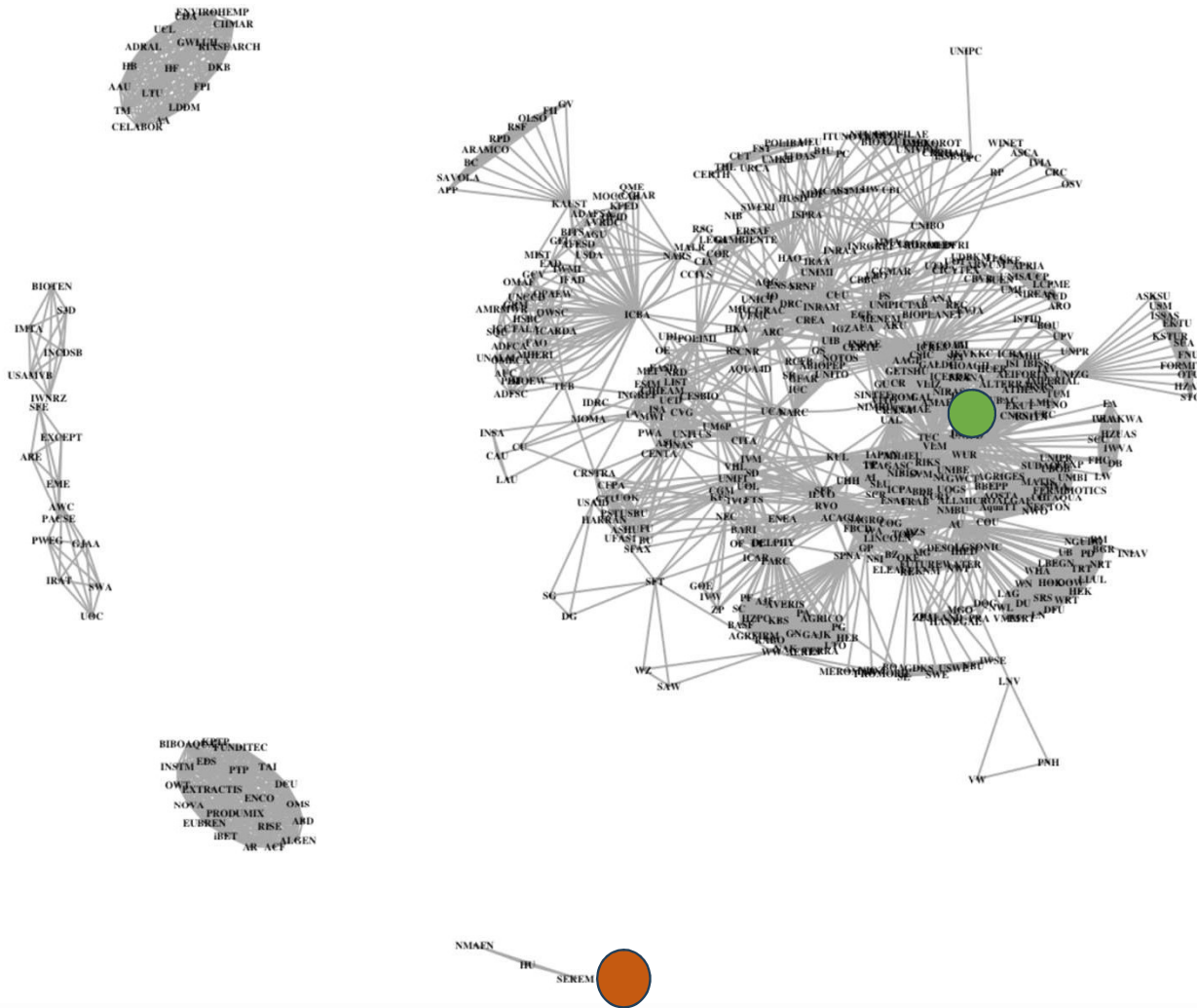


Figure 1. Definitions of scaling up (adapted from IIRR, 2000, p. 17).

Increasing structuration of activities in local practices

Geels and Schot (2007)





ENVIROHEMP
 UEL
 ADKAL GWIRSEARCH
 HB HF DKB
 AAU LTU EPI
 TM LDDM
 CELABOR

UNPC
 POLIBAFET ITUNO...
 CERTE...
 RSG ERSAT ISPR...
 UNBO

$$x_v = \frac{1}{\lambda} \sum_{t \in M(v)} x_t = \frac{1}{\lambda} \sum_{t \in V} a_{v,t} x_t$$

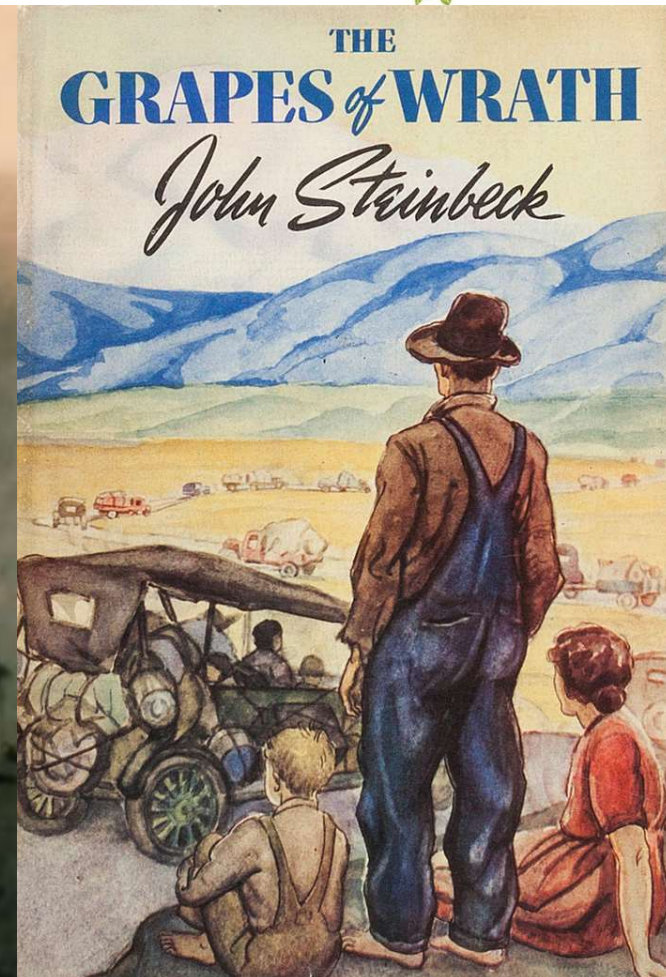
WZ SAW
 WWA...
 VV PNH

BIBOAG...
 INSEM EDS PTP TAI
 OWA...
 NOVA PRODUMIX ENCO OMS
 EUBREN RISE ARD
 IBET AR AC LGEN



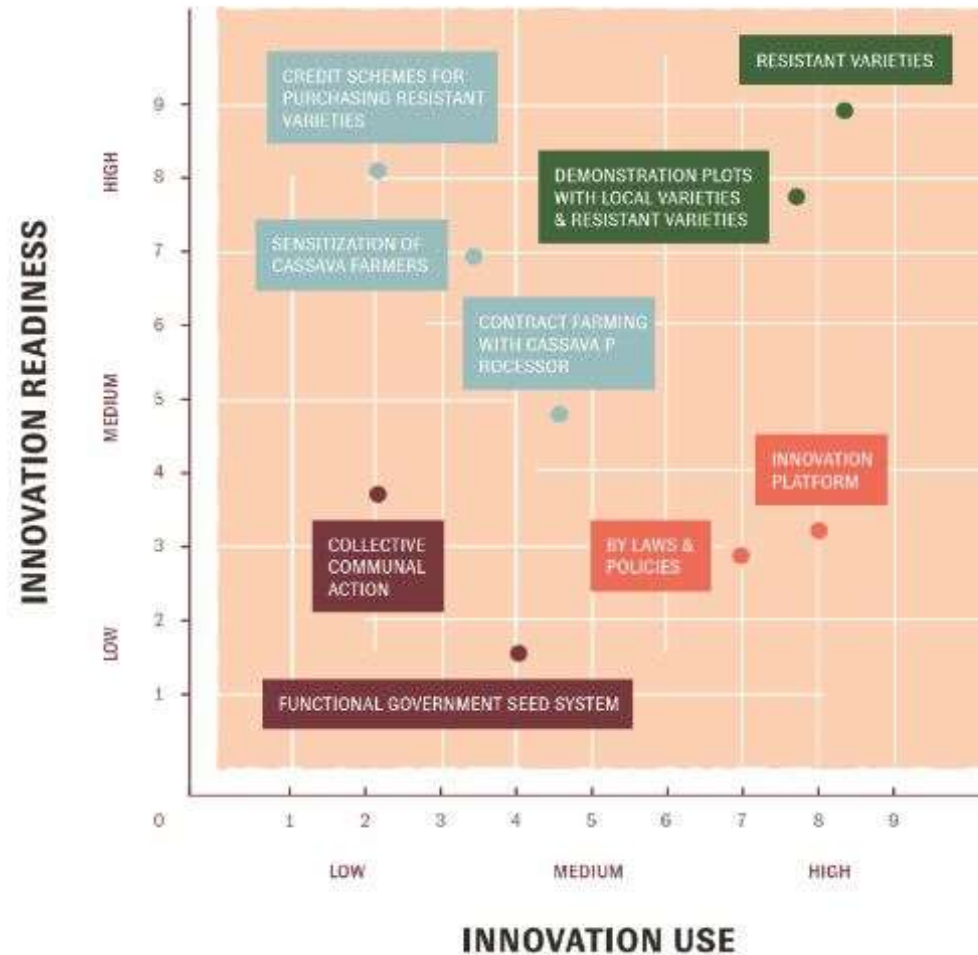
- The concept of "network power" refers to the influence, control, or centrality that actors within a network possess
- Potential problems arising from disparity in Network Power:
 - 1) Structural Inequality
 - 2) Resource Distribution
 - 3) Knowledge Production
 - 4) Dependency and Vulnerability







Scaling Readiness (CGIAR Framework)



There is no one-size-fits-all scaling strategy





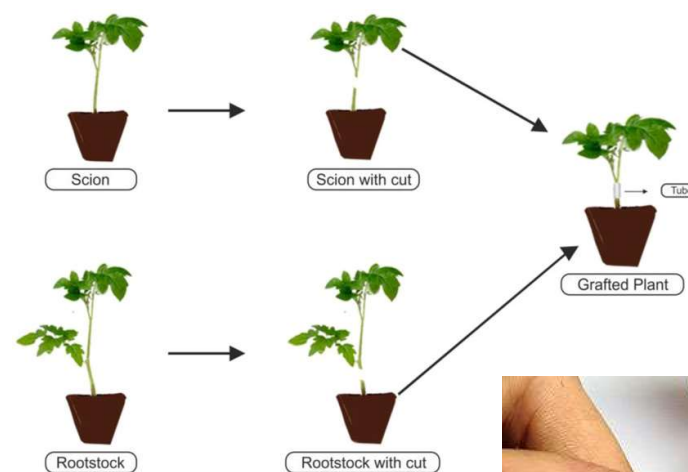






Core innovations may encompass (depending on local conditions and crops):

- Sensors for soil and water salinity
- Salinity stress and yield crop models
- Salt-tolerant varieties
- Grafting
- Integrated farm systems
- Soil amendments & mulching
- Innovative irrigation systems
- Drainage



Complementary innovations essential for scaling the core innovations:

- Favourable market conditions
- Supportive policies
- Financial investments
- Access to knowledge
- Organizational capacity to pilot projects and prove concepts



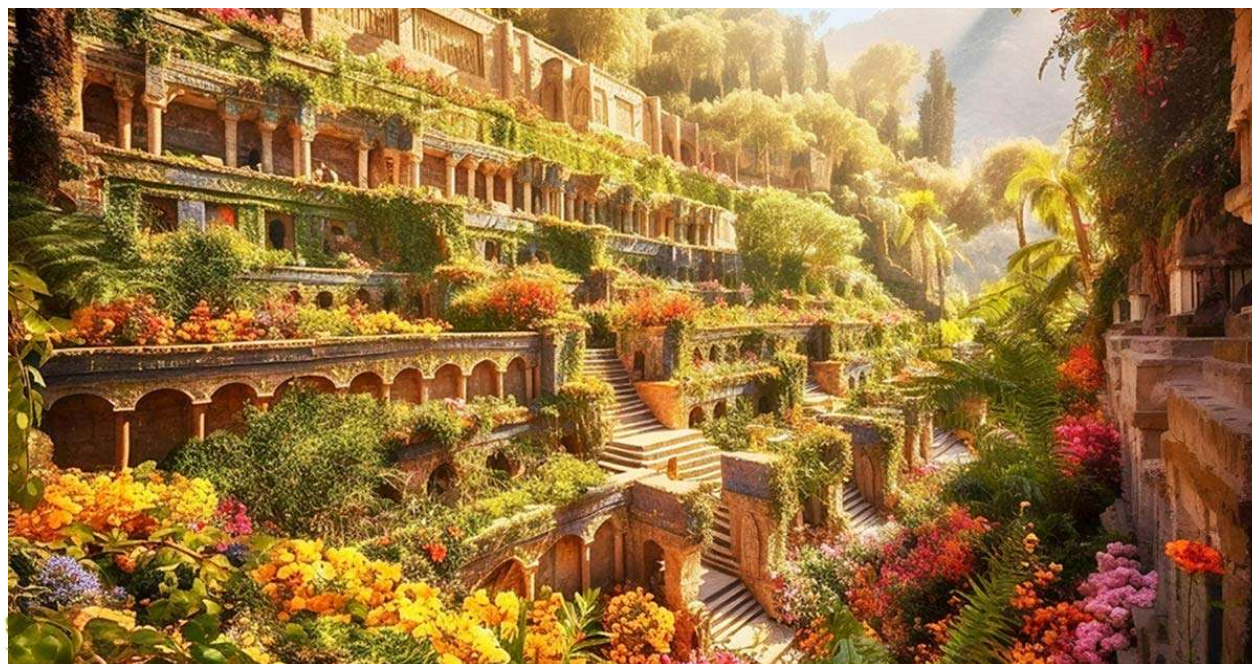
Scaling innovations in the context of saline agriculture *seems* complicated

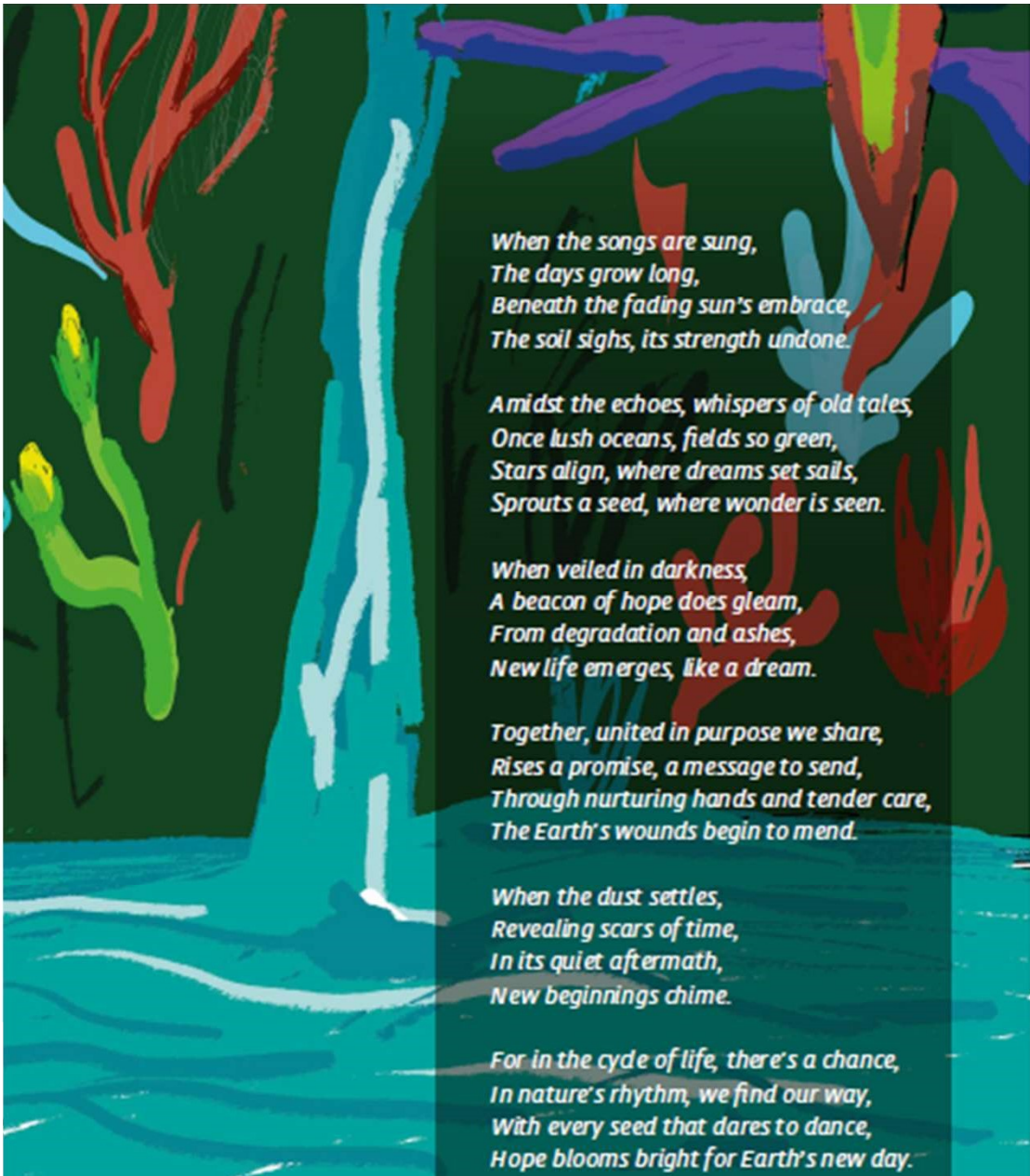
But we can see the yellow brick road leading to Emerald City!

We need a holistic approaches considering:

- Technical,
- Organizational,
- Institutional,
- Socio-economic dimensions

-> & Local context & knowledge!





*When the songs are sung,
The days grow long,
Beneath the fading sun's embrace,
The soil sighs, its strength undone.*

*Amidst the echoes, whispers of old tales,
Once lush oceans, fields so green,
Stars align, where dreams set sails,
Sprouts a seed, where wonder is seen.*

*When veiled in darkness,
A beacon of hope does gleam,
From degradation and ashes,
New life emerges, like a dream.*

*Together, united in purpose we share,
Rises a promise, a message to send,
Through nurturing hands and tender care,
The Earth's wounds begin to mend.*

*When the dust settles,
Revealing scars of time,
In its quiet aftermath,
New beginnings chime.*

*For in the cycle of life, there's a chance,
In nature's rhythm, we find our way,
With every seed that dares to dance,
Hope blooms bright for Earth's new day.*

Thank you!

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