

Session 1: Visions for the Transformation of Industrial Parks



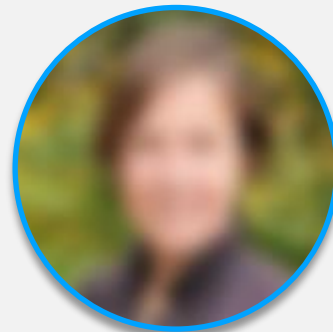
Christian Susan

UNIDO, Session Moderator



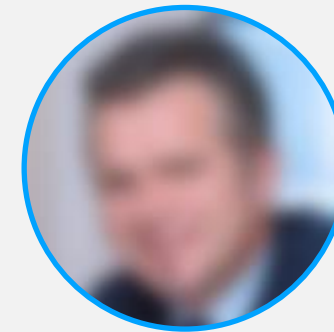
Bernd Oellermann

National Cleaner Production
Center of South Africa (NCPC-SA)



Sabine Becker

GIZ Germany



Norbert Reichl

Food Processing Initiative e.V.

Transformation of industrial parks for regional resilience – South Africa

Bernd Oellermann

June 2023



The National Cleaner Production Centre South Africa (NCPC-SA) supports South African industry to **improve competitiveness** and reduce **environmental footprint** through the implementation of **resource efficient and cleaner production (RECP)** methodologies.

*Funded by **the dtic** and hosted by the **CSIR***



the dtic

Department:
Trade, Industry and Competition
REPUBLIC OF SOUTH AFRICA



INDUSTRIAL EFFICIENCY IN SOUTH AFRICA



Touching lives through innovation

Services to Industry



In-plant assessments to identify opportunities to save energy, water, materials etc.



Training of industry professionals to implement RECP in their companies.



Supporting implementation of technical interventions to realise savings.



Assisting in the redirection of industry waste to be used by other companies through industrial symbiosis.



Advocacy and awareness through workshops and other platforms.



Developing and sharing sector and industry guides and tools.



The transformation journey of industrial parks



Broad Context

1. Dwindling resources;
2. Climate Change/ global warming;
3. Biodiversity loss;
4. GHG Emissions;
5. Sustainability;
6. Circular Economy;
7. Just Transition;
8. Trade and economic pressures;
9. Geo-political landscape;
10. Systems change.



National Context



1. National Priorities:

- Green Economy is one of 7 priority sectors;
- SEZs and IPs are targeted spatial interventions (Estimated 400 IPs and 15 SEZs);
- Growth areas (Innovation, Industrialization, Inclusion, Investment and Infrastructure);
- Industrial spaces - catalysts for socio-economic development;
- Industrial Park Revitalization Programme;
- PPPs are key;
- Regulatory environment;

2. Industrial spaces:

- Diverse governance and institutional arrangements;
- Single focus on property management only;
- Limited, poor or no maintenance;
- Safety and security;
- Challenging social dynamics.



A New Perspective is needed

If we have the solutions, why are we not implementing them?

Dream!

The current complexity and extent of challenges faced by humanity and life on earth requires urgent re-evaluation of our values.

The way we do things no longer works. We need to find a better way and do so by working together.

Consumerism is unsustainable and the notion of growth needs to be re-examined.

Responsible,
Accountable,
Own it.

How can we coordinate and collaborate better?

It is about the
heart!

We have the gift of communication, yet we refuse to communicate well.

Ensuring a future for
our children.

It is time for
change.

Do what is right.

Truth,
transparency,
integrity.

Resilience is key



1. Oxford Dictionary: “the capacity to **withstand** or to **recover quickly** from **difficulties**”; “toughness”
2. Marriam-Webster Dictionary: “an ability to recover from or **adjust easily** to misfortune or **change**”
3. Cambridge Dictionary: “the quality of being able to return quickly to a previous **good condition** after **problems**”

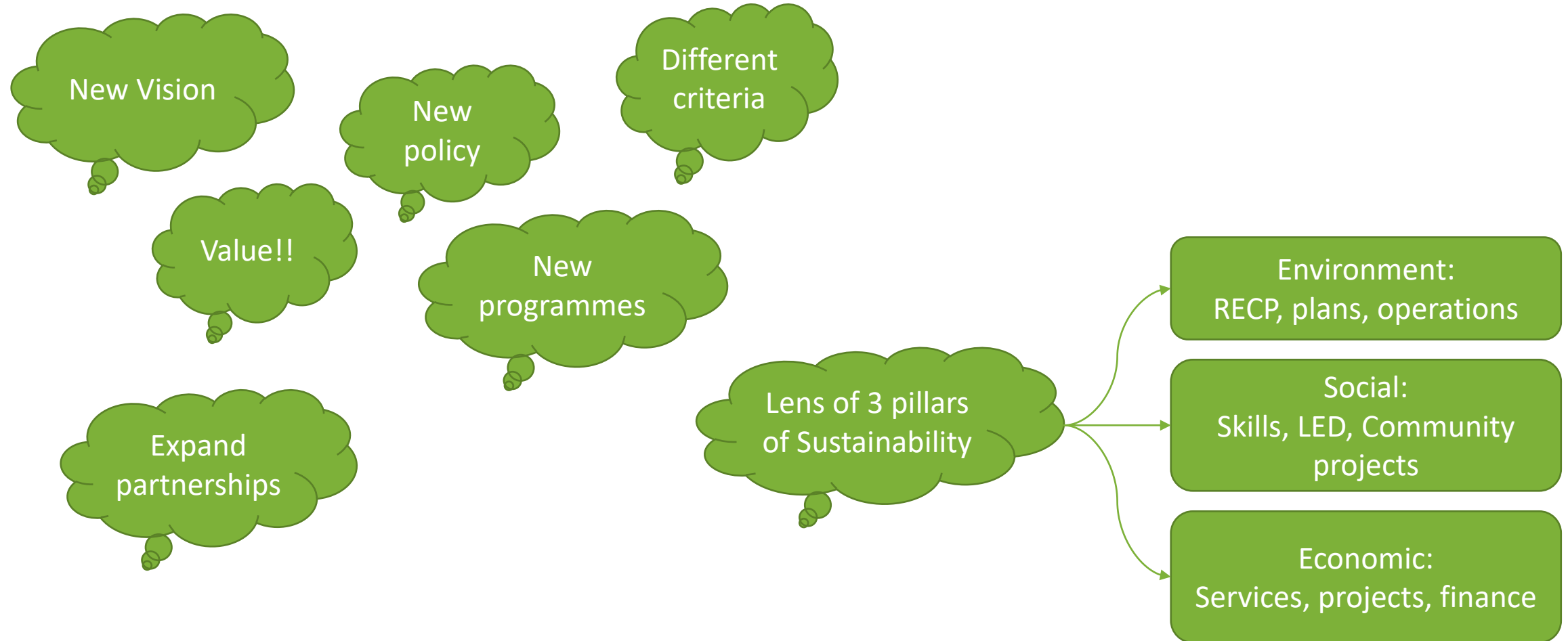
But what does this mean for Industrial spaces?

- i. A Better ‘end-state’
- ii. Win-win
- iii. The Bigger picture
- iv. Or what exactly?



Often used in the context of Health
(American Psychological
Association)...

Current approaches



Some ideas



- Leverage technology and solutions;
- Research, Development and Innovation (RDI) support;
- Regulatory and reporting requirements;
- Awareness raising and education/ capacity building;
- Coordination, especially for planning;
- Access to finance;
- Measure values beyond just financial value;
- Balance short-, medium and long-term;
- Knowledge management;
- Social engagement/ community processes;
- Supplier development/ SME development;
- Systems, processes, standards;
- M&E and learning;
- Infrastructure.

Key lessons learnt



- Stakeholder management is central;
- Collaboration with others (eg EIP Roundtable and mechanisms);
- Building personal relationships;
- It takes time;
- Cross-sectoral, multi-disciplinary approach;
- No agenda;
- Shared vision and alignment;
- Seek a win-win;
- Not an add-on, but integral part;
- Systems approach.

Contact details

Bernd Oellermann

BOellermann@csir.co.za

+27 79 5844 255



the dtic

Department:
Trade, Industry and Competition
REPUBLIC OF SOUTH AFRICA

