Learning at the institutional liminality of transitions. Urban Living Labs as interboundary spaces of the FEW Nexus

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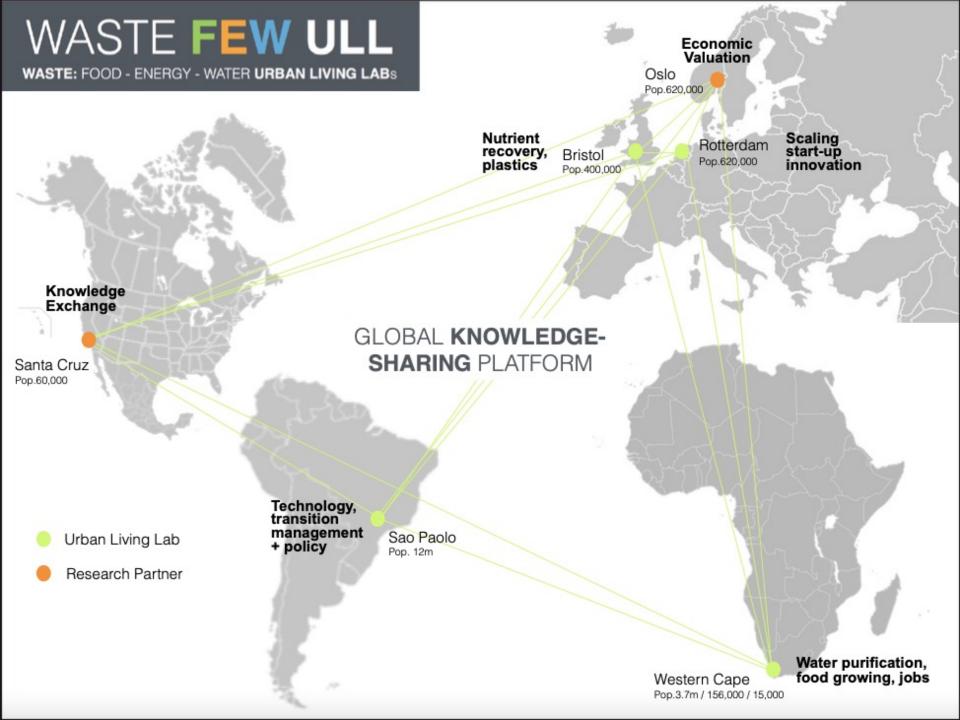
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Circular Economy policy frameworks across project case studies



- European Green Deal (reduce emissions by 55% by 2050 pledge adopted July 14, 2021)
 - EU Circular Economy Action Plan (2020)/ 'A circular economy in the Netherlands by 2050' (2016)
- UK 25 Environment Plan (2018)
 - UK Circular Economy Package (2020)
- Switch Africa Green Programme (2014-; 6 pilot countries including South Africa (RSA); EU-funded)
 - RSA package includes national development plan' national strategy for SD; national waste management strategy,
- Política Nacional de Economia Circular (pending, 2022 - CNI, National Industry Confederation)
 - Law No 12.305 National Policy on Solid Waste Management (2010)

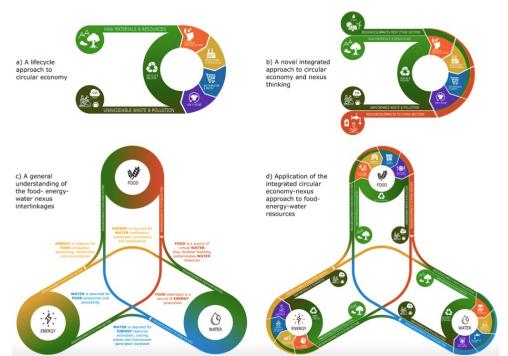
Circular economies and Nexus approaches?



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(Liu, et al 2018)





- Integrative nexus governance gaps? (Weitz et al 2017)
 - Rethinking boundaries of 'nexus' vis-à-vis other sectors and scales;
 - Elaborating shared, contextual principles to guide negotiation of 'trade-offs';
 - Viewing policy coherence as a learning process of changing values and mindsets.'

Parsa, AA, Van De Wiel, M & Schmutz, U 2021, 'Intersection, interrelation or interdependence? The relationship between circular economy and nexus approach', Journal of Cleaner Production 4

Learning at the institutional liminality of transitions



- Liminality and the theory of boundary objects (Star & Griesemer 1989)
- 'Liminal transition spaces'
 - "[I]nterstitial spaces between a previous way of knowing and doing, and a new way" (Burnett & Nunes, 2021)
 - "[W]here the institutional arrangements of an organisation may be deemed futile or unattainable, but its substitution remains uncertain" (Nunes & Parker, 2021)
- Instantiations of transition?
 - The micro-political dynamics behind efforts to negotiate and identify some form of compromise over clashing and/or competing institutional logics
 - "Critical junctures" (*Acemoglu & Robinson Paulo 2012*)
 - "Adjacent action situations" (McGinnis 2011)

Burnett, A. & Nunes, R. J. (2021) Flatpack Democracy: power and politics at the boundaries of transition. Environmental Policy and Governance

Nunes, R. J. & Parker, G. (2021) Institutional liminality, ideological pluralism, and the pragmatic behaviours of a 'transition entrepreneur'. Geoforum

Nunes, R., Fried, J., dal Poz, E., Winter, K., vonl Wirth, T. & Johnston, M. (2021). Learning at the institutional liminality of transitions. Urban Living Labs as inter-boundary spaces of the FEW Nexus. Working Paper. Centre for Real Estate and Planning Research, Henley Business School.

Urban Living Labs (ULLs) as instantiating boundary objects of transition



- Norton (2015) proposed the "construction of boundary objects and boundary institutions as <u>one of the key</u> <u>heuristics guiding</u> <u>environmental decision-making</u> <u>and sustainable change.</u>
- Conceptualized ULL as 'interboundary spaces and defined
- Principles guiding interboundary work in ULLs.

Key principles boundary work*	Explanation*	Examples of guiding inquiry to inform ULL
Interpretive flexibility	Ability to "tack back and forth" between being specific and abstract. Allowing different interpretations of purpose and value, while being able to deliver on concrete project aims.	 Who is facilitating and designing processes of inter-boundary work in the ULL? How is flexibility and reflexivity of learning and knowledge co-creation in ULL ensured? What is the specific theme of the ULL? What is the specific theme of the ULL? What are the different understandings of this common work frame? How does this common theme still allow for bearing different meanings? Which communities of practice (e.g. urban actors) are holding stakes in identifying solutions to the sustainability challenge? How can absent communities become represented in the lab activities? What are the socio-historic and spatial context factors of the ULL location? Why is the ULL relevant within that specific context?
Common information and work frame	An explicit aim or a common project requirement exists that connects the communities of practice in their collaboration.	
Different facilitated communities of practice	Different communities of practice or urban actor groups collaborate in the formation of inter- boundary work.	
Contextualization and socio-spatial embedding	The socio-historic and socio- spatial contexts of the boundary objects and boundary spaces are made transparent and explicit.	
Power dynamics of (inter-)boundary space and context	Boundary objects are embedded in particular social contexts, that is, they are located at the nexus of very specific relations of power.	 Which are the roles and agency distributed among the involved ULL actors? Which actors do agenda setting, funding and coordinate the uptake of outcomes related to ULL activities? How do power and influence in the ULL
Accountability of boundary activities	Effective boundary activities assure the accountability of their processes and outcomes, for example by transparent responsibilities, management rules and/or an accountable institutional embedding within a network of partners.	 change over time? Which are the responsibilities and decision-making mechanisms in place among the ULL actors? How is the legitimacy and uptake of ULL outcomes planned (related to formalized urban governance and planning)?

von Wirth, T., Frantzeskaki, N., & Loorbach, D. (2020). Urban living labs as inter-boundary spaces for sustainability transitions?. In Handbook on planning and complexity. Edward Elgar Publishing. 6



Urban Living Labs (ULLs)

To what extent do ULLs provide a transformative learning platform for addressing FEW nexus gaps in integrative governance?

- Living Labs (LLs) are defined as user-centred, open innovation ecosystems.
- LLs are both practice-driven organisations that facilitate and foster open, collaborative innovation
- LLs operate as intermediaries among citizens, research organisations, companies, cities and regions for joint value co-creation

https://enoll.org/about-us/

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Rotterdam (The Netherlands) - Blue City Lab: A *Practice* Space

BLUE ,CITY LAB

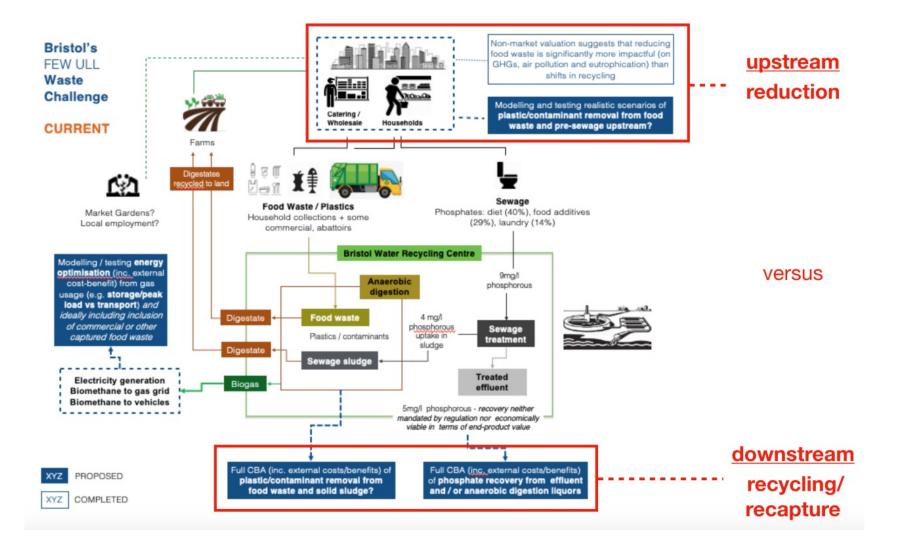


Rotterdam (The Netherlands) - Blue City Lab: A *Practice* Space





Bristol (UK) - Waste FEW ULL: A Visioning Space



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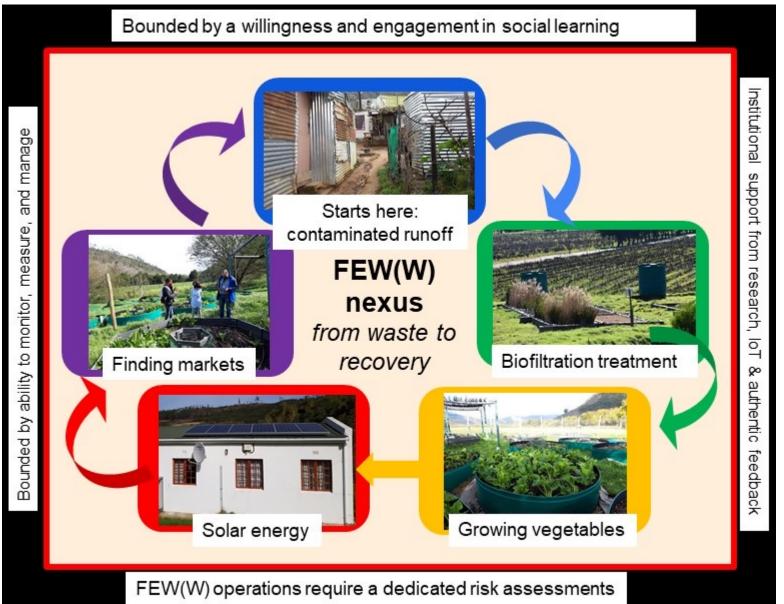
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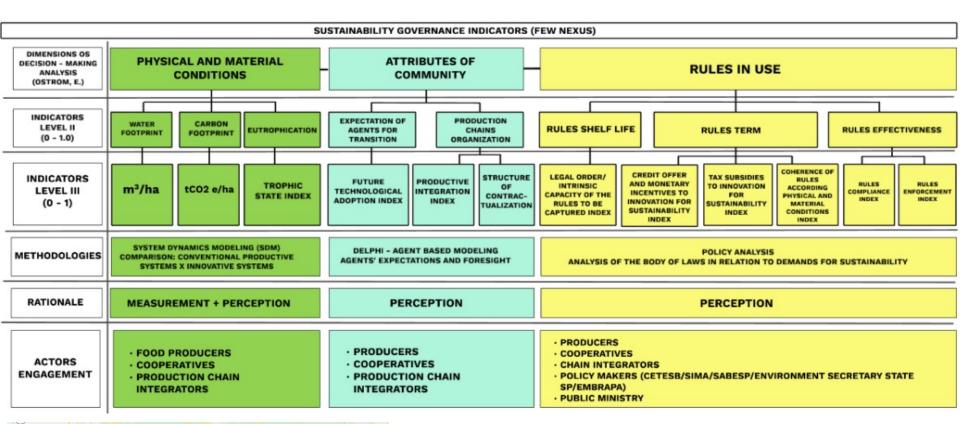
Franschhoek (Western Cape, Africa): Water Hub ULL - An *Experimental* Space





Sao Paulo (Brazil) - 'In Natura' ULL: A Policy Space









ULLs and learning at the institutional liminality of transitions?



- The **idea of the "Nexus"**, as a legitimate form of agency, is often framed for the purposes of *collective action*.
- Yet, Nexus agendas actually arise at the institutional liminality of opposing agendas - including transitions to circular economies.
- The ULL as boundary object is emergent, fluid, unpredictable, uncertain and contingent *not fixed*.
- ULLs are inter-boundary spaces that are unique, experimental, creative - which is needed for disrupting unsustainable lock-ins, but can this creativity and individual passion have impact w/o some form of institutional stability?

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Learn more about our project here:

https://wastefewull.weebly.com/



Look out for our forthcoming paper too!

Nunes, R., Fried, J., dal Poz, E., Winter, K., vonl Wirth, T. & Johnston, M. (2021). *Learning at the institutional liminality of transitions. Urban Living Labs as interboundary spaces of the FEW Nexus*. Working Paper. Centre for Real Estate and Planning Research, Henley Business School.