

# Plastics in the Environment, EP Wales December 2024

*Dr Gary Walpole, Director CEIC &  
Director of the Regional Innovation &  
Regeneration Centre*



Circular Economy  
Innovation Communities



Swansea University  
Prifysgol Abertawe



Cardiff  
Metropolitan  
University

Prifysgol  
Metropolitan  
Caerdydd



UNDEB EWROPEAIDD  
EUROPEAN UNION

Cronfa Gymdeith  
European Soc



Funded by  
UK Government

# CEIC Regional CE eco-system

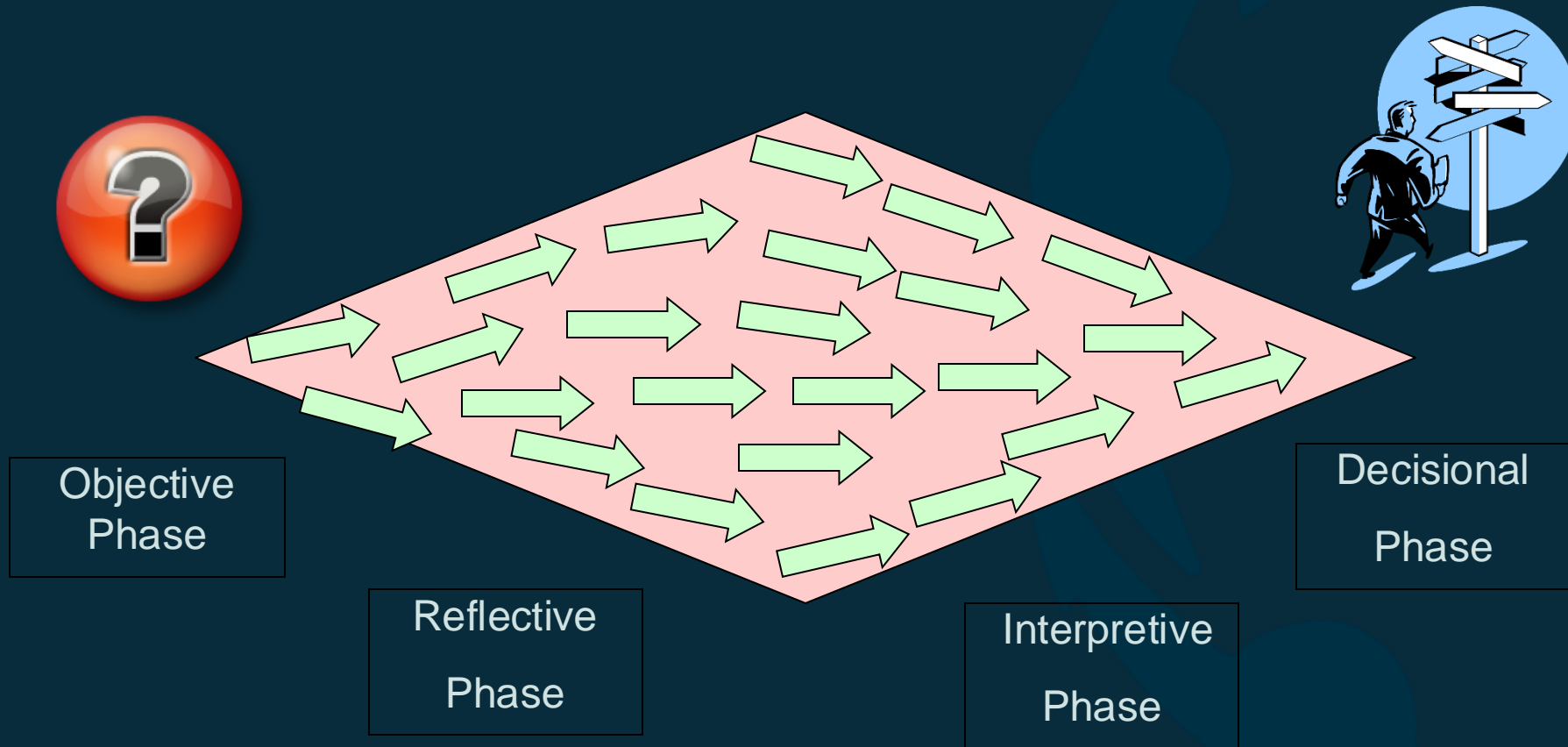


	Organisations	Participants	Challenge Groups	Public Sector	Third Sector	Private
Swansea Bay Region	57	123	37	37%	42%	21%
Cardiff Capital Region	85	127	49	28%	44%	28%
S. Wales	142	250	86	32%	43%	25%

# CEIC opportunities

- Share research with practitioner network (public & private sector)
- Find research partners (data collection, test recipients)

# ORID: Solution Generating Framework



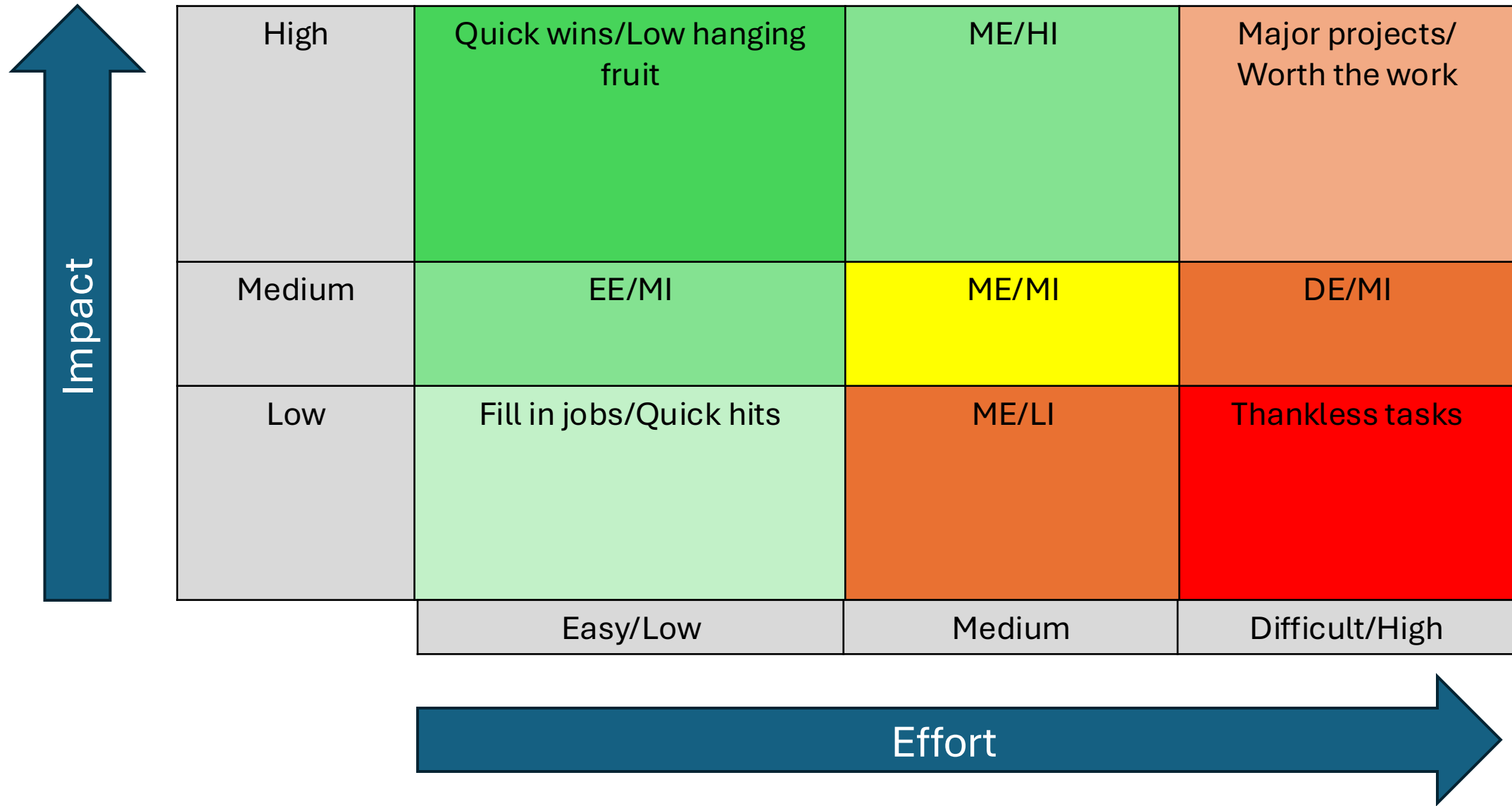
# What next?

- Engage with policy makers and stakeholders to apply research to practice
- Can we collaborate to focus effort (to take forward)?
- 4 Groups
  - Water/marine based plastics
  - Airbourne
  - Soil/agriculture plastics contaminates
  - Impact on public health

# exercise

- On a post it write **what you are working on now?**
  - One post per project / research activity
- Place on the table
- Aim to cluster activity into similar themes/activity
- Create one post-it to summarize to place on the Impact / Effort matrix

# Decision Matrix/Idea Ranking (Impact v Effort)



# exercise

- On a post it write **‘what do you think policymakers should focus on or next actions?’**
  - One post per idea / suggestion
- Place on the table
- Aim to cluster activity into similar themes/activity
- Create one post-it to summarise to place on the Impact / Effort matrix



# Q&A



- [www.ceicwales.org.uk](http://www.ceicwales.org.uk)
- [ceic@cardiffmet.ac.uk](mailto:ceic@cardiffmet.ac.uk)
- [ceic@swansea.ac.uk](mailto:ceic@swansea.ac.uk)

# Published peer reviewed journal articles

- Nick Clifton, Carla De Laurentis, Katie Beverley, Gary Walpole, Missing missions or partial missions? Translating circular economy directionality into place-based transformative action, *Cambridge Journal of Regions, Economy and Society*, 2024;, rsae027, <https://doi.org/10.1093/cjres/rsae027>
- Walpole, G; Treadwell, PJ; Steffes, L; Clifton, N; Bacon, EC. (2024) Supporting circular economy innovation: An analysis of a circular economy intervention in Wales. *Welsh Economic Review*, v29, 36-49. DOI:10.18573/wer.270
- De Laurentis, C., Beverley, K., Clifton, N., Bacon, E., Rudd, J., & Walpole, G. (2024). Exploring opportunities for public sector organisations to connect wellbeing to resource loops in a regional circular economy. *Contemporary Social Science*, 1–34. <https://doi.org/10.1080/21582041.2024.2356190>
- Clifton N, Kyaw KS, Liu Z, Walpole G. *An Empirical Study on Public Sector versus Third Sector Circular Economy-Oriented Innovations. Sustainability*. 2024; 16(4):1650. <https://doi.org/10.3390/su16041650>
- Clifton, N & Walpole, G. *Innovation for a Circular Economy*, Innovation Caucus, UKRI. (2023) <https://innovationcaucus.co.uk/2023/04/21/innovation-for-a-circular-economy/>
- Walpole, G; Bacon, E; Beverley, K; C De Laurentis, K Renfrew & J Rudd (2022) New development: *Enhancing regional innovation capabilities through formal public service communities of practice*. *Public Money & Management*, DOI: [10.1080/09540962.2021.2021658](https://doi.org/10.1080/09540962.2021.2021658)
- Liu, Z., James, S., Walpole, G., & White, G. R. (2022). A communities of practice approach to promoting regional circular economy innovation: evidence from East Wales. *European Planning Studies*, 1-19.

# Video interviews

- Williams Medical (Caerffili) <https://youtu.be/GBePhJdSwEw>
- Star Linen <https://youtu.be/sQoPqDKQ-to>
- [Stacey Sheldon \(Balmoral Tanks\) outlining the innovation implemented through CEIC programme \(youtube.com\)](#)
- [Steve Gardener on the challenge he is working on as a result of the CEIC programme \(youtube.com\)](#)
- [Rhea Chappell, CEIC participant on implementing life cycle analysis at Nappi Cycle \(youtube.com\)](#)
- [Sai Giridhar, CEIC participant on his prototype for a pod built with natural building materials \(youtube.com\)](#)