

## Constructing Excellence in Wales

**Cat Griffith-Williams**  
Chief Executive

Remain on mute but raise a hand  
Make use of the chat function

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## Introduction to the **Future Generations Directory** for C21 schools programme

18<sup>th</sup> March 2021



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## Agenda

### Introductions

1. Example objectives RIBA Stage 0 – 4
2. Auditing a WFG Goal
3. Q&A on the current Directory
4. Discussion on Directory development

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## FG Directory - Overview

Overview

Well-being of Future Generations										
Procedures / Strategy	Finance	Community Users	Materials	Transport / Infrastructure	Energy	Water	Waste	Pollution	Ecology / Landscaping	Climate Change
0	0	2	0	0	0	0	0	0	0	0
1	0	2	0	0	0	0	0	0	0	0
2	0	2	0	0	0	0	0	0	0	0
3	0	2	0	0	0	0	0	0	0	0
4	0	2	0	0	0	0	0	0	0	0
5	0	2	0	0	0	0	0	0	0	0
6	0	2	0	0	0	0	0	0	0	0
7	0	2	0	0	0	0	0	0	0	0
8	0	2	0	0	0	0	0	0	0	0
9	0	2	0	0	0	0	0	0	0	0
10	0	2	0	0	0	0	0	0	0	0
11	0	2	0	0	0	0	0	0	0	0
12	0	2	0	0	0	0	0	0	0	0
13	0	2	0	0	0	0	0	0	0	0
14	0	2	0	0	0	0	0	0	0	0
15	0	2	0	0	0	0	0	0	0	0
16	0	2	0	0	0	0	0	0	0	0
17	0	2	0	0	0	0	0	0	0	0
18	0	2	0	0	0	0	0	0	0	0
19	0	2	0	0	0	0	0	0	0	0
20	0	2	0	0	0	0	0	0	0	0
21	0	2	0	0	0	0	0	0	0	0
22	0	2	0	0	0	0	0	0	0	0
23	0	2	0	0	0	0	0	0	0	0
24	0	2	0	0	0	0	0	0	0	0
25	0	2	0	0	0	0	0	0	0	0
26	0	2	0	0	0	0	0	0	0	0
27	0	2	0	0	0	0	0	0	0	0
28	0	2	0	0	0	0	0	0	0	0
29	0	2	0	0	0	0	0	0	0	0
30	0	2	0	0	0	0	0	0	0	0
31	0	2	0	0	0	0	0	0	0	0
32	0	2	0	0	0	0	0	0	0	0
33	0	2	0	0	0	0	0	0	0	0
34	0	2	0	0	0	0	0	0	0	0
35	0	2	0	0	0	0	0	0	0	0
36	0	2	0	0	0	0	0	0	0	0
37	0	2	0	0	0	0	0	0	0	0
38	0	2	0	0	0	0	0	0	0	0
39	0	2	0	0	0	0	0	0	0	0
40	0	2	0	0	0	0	0	0	0	0
41	0	2	0	0	0	0	0	0	0	0
42	0	2	0	0	0	0	0	0	0	0
43	0	2	0	0	0	0	0	0	0	0
44	0	2	0	0	0	0	0	0	0	0
45	0	2	0	0	0	0	0	0	0	0
46	0	2	0	0						

# FG Directory - Overview

- Any examples?
  - Community / Users
  - Energy
  - Climate Change



A Prosperous Wales    A Resilient Wales    A More Equal Wales    A Healthier Wales



A Wales of Cohesive Communities    A Wales of Vibrant Culture & Welsh Language    A Globally Responsible Wales

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## Objective – Community / Users

Objectives	Metric	Type	Responsibility
<b>Community / Users</b>			
Stakeholders involved in proposal	Engagement sessions	Confirmatory email / letters	Client
Identify community visitors / supply chain for community benefits to work with during programme	Engagement sessions	Completed workshop	Client
Consider use of community facilities based on specific for area (e.g. W/ / baby nappies / social enterprise space / community café etc)	Engagement sessions	Completed workshop	Client
<b>Community / Users</b>			
Identify opportunities to work with local organisations / supply chain on site	Engagement sessions	Confirmatory email / minutes	Design Team
Third party stakeholders consulted by party independent of design process	Engagement sessions	Confirmatory email / minutes	Design Team
<b>Community / Users</b>			
School stakeholders consulted on design	Engagement session	Confirmatory email / minutes	Client
Material efficiency consultation with stakeholders	Engagement session	Confirmatory email / minutes	Client
<b>Community / Users</b>			
School stakeholders consulted on design and have access to decision makers	Weekly / monthly engagement sessions	Confirmatory email / minutes	Client
<b>Community / Users</b>			
Specialist sub contractor/consultants engaged to review implementations on Accessibility/Wellbeing/procurement processes	Consultant review / recommendations	Reports / design review minutes	Contractor / Design team
School stakeholders consulted on design	Weekly / monthly engagement sessions	Confirmatory email / minutes	Client
Material efficiency consultation with stakeholders	Engagement session	Confirmatory email / minutes	Client

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## Objective – Energy

Objectives	Metric	Type	Responsibility
0 Consideration to capital, life cycle, and maintenance costs -> avoid projects	Lessons learnt document	Document	Client
1 Minimise fossil fuels needed for heat	Energy targets	Document	Design Team
Identify energy storage potential	Stage 1 report	Document	Design Team
Decarbonisation strategy determined	Target (to measurement determined) -> strategy on-site	Strategy documented, signed and agreed by client	Client
Set key performance targets	Energy A or for refurbishment pledge to secure	Energy agreed and signed by client and project team and project team	Client
of refu - review of current provision and identify efficiencies to be incorporated in extension / refurbishment	Energy A or for refurbishment pledge to secure	Energy agreed and signed by client and project team	Client
Identify and evaluate energy storage opportunities (possible need to increase plant size)	Stage 2 report	Report	Design Team
Visual Comfort considered (daylighting / views out)	Stage 2 report	Report	Design Team
Thermal Comfort modelling	Modelling	Report	Design Team
Identify passive design solutions	Minimum % reduction in predicted building energy demand	Report	Design Team
Analysis of free cooling solutions	Modelling	Report	Design Team
Feasibility of local low or zero carbon energy sources	Minimum % reduction in CO2 emissions	Report	Client
Low or zero carbon renewables selected	Specification	Report	Design Team
Minimise fossil fuels needed for electricity	Test design against modelling assumptions, deploy suitable renewable technology	Report	Design Team
Minimise fossil fuels needed for heat	Test design against modelling assumptions, deploy suitable renewable technology	Report	Design Team
Decarbonisation strategy integrated into design	Design complies with targets set	Decarbonisation targets monitored	Client / Contractor / Design Team
Decarbonisation strategy integrated into design	Design complies with targets set	Decarbonisation targets monitored	Client / Contractor / Design Team
Minimise fossil fuels needed for electricity	Test design against modelling assumptions, deploy suitable renewable technology	Report	Design Team
Minimise fossil fuels needed for heat	Test design against modelling assumptions, deploy suitable renewable technology	Report	Design Team
Decarbonisation strategy integrated into design	Design complies with targets set	Decarbonisation targets monitored	Client / Contractor / Design Team
Key performance targets	Match workshop held	Results of M&E workshop and analysis	Design Team
Visual Comfort embedded (daylighting / views out)	Design drawing	Drawing	Design Team
Thermal Comfort embedded	Design drawing	Drawing	Design Team

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## Objective – Climate Change

Objectives	Metric	Type	Responsibility
0 Decarbon Change	Plan carbon offsetting methods (e.g. tree planting)	Survey / extensive test practice / calculate offsets emissions	Workshop / report
Consider whether 'zero carbon' will be aim of project and if so define methodology	Strategy	Workshop / report	Client
1 Climate Change	Climate change adaptation strategy approach for structural and fabric resilience	Risk assessment and modelling	Design Team
2 Building specific functional adaptation strategy	Recommendations to facilitate adaptation	Risk assessment and modelling	Design Team
3 Climate Change	Environmental standards set	Specification / schedules	Client
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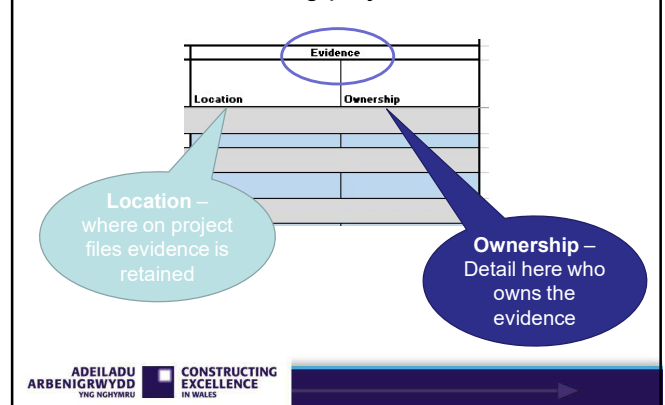
## FG Directory – WFG Goals

RIBA Stage	A Prosperous Wales	A Resilient Wales	A Healthier Wales	A More Equal Wales	A Wales of Collective Communities	A Wales of Vibrant Culture and Thriving Welsh Language	A Globally Responsible Wales
0 Strategic Definition	5	11	2	3	5	6	5
1 Preparation and Brief	23	23	11	5	7	5	23
2 Concept Design	10	10	11	11	8	3	10
3 Developed Design	20	18	11	11	11	3	10
4 Technical Design	10	10	11	11	11	3	10
5 Construction	20	12	12	12	5	4	11
6 Handover and Close Out	11	12	12	12	5	4	11
7 In Use	10	12	7	7	7	7	11
8 End of Life	25	7	2	0	1	1	0

- Not a score
- 7 goals across the RIBA stages
- Is this useful?

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## Recording project work



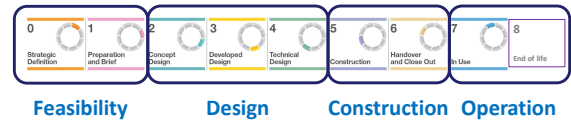
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## Any Questions?

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## Discussion on Directory development

- Grouping stages



- Goal text within the Directory to help prompt reviews?
- Are Objectives detailed enough?
- Any new Objectives to be added?

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## Discussion on Directory development

- Goal text within the Directory to help prompt reviews?
- Does it assist with demonstrate the 5 ways of working?



Long term – prevention – integration – collaboration – involvement

- Any suggestions?

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## Closing

Today we have...

- Reviewed Stages 0-4
- Recruited pilots
- Discussed the Directory
- Follow up comments to [FGDirectory@cewales.org.uk](mailto:FGDirectory@cewales.org.uk)
- Register for next workshop  
25<sup>th</sup> March 1:30 – 3pm



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