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Welsh Government

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Arbed phase 1 project summary

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Arbed Project Officer

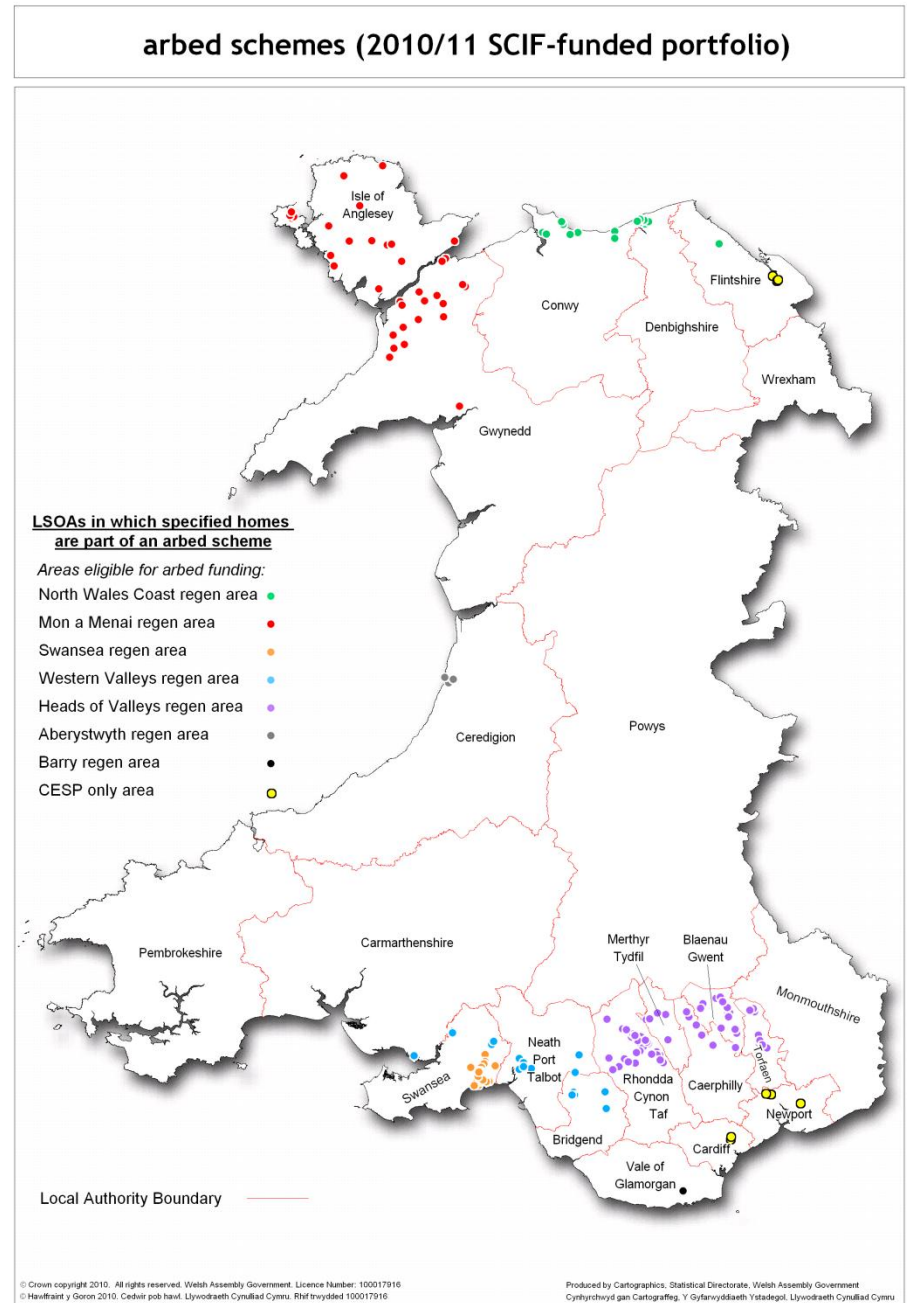
Arbed phase 1 outline

- £30m Welsh Government capital funding
- Additional funding from energy companies and social housing providers
- Delivered to tight timescales by social housing providers
- 6000 homes

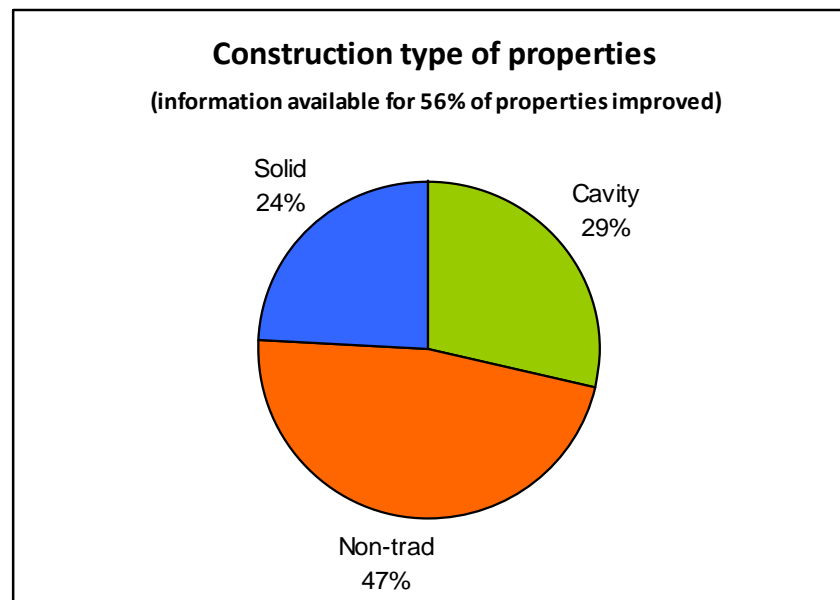
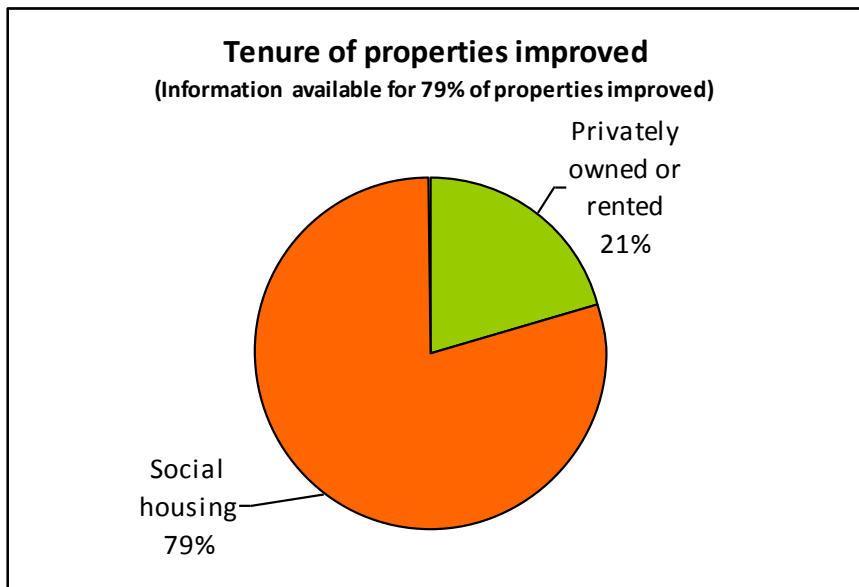


Arbed 1 schemes

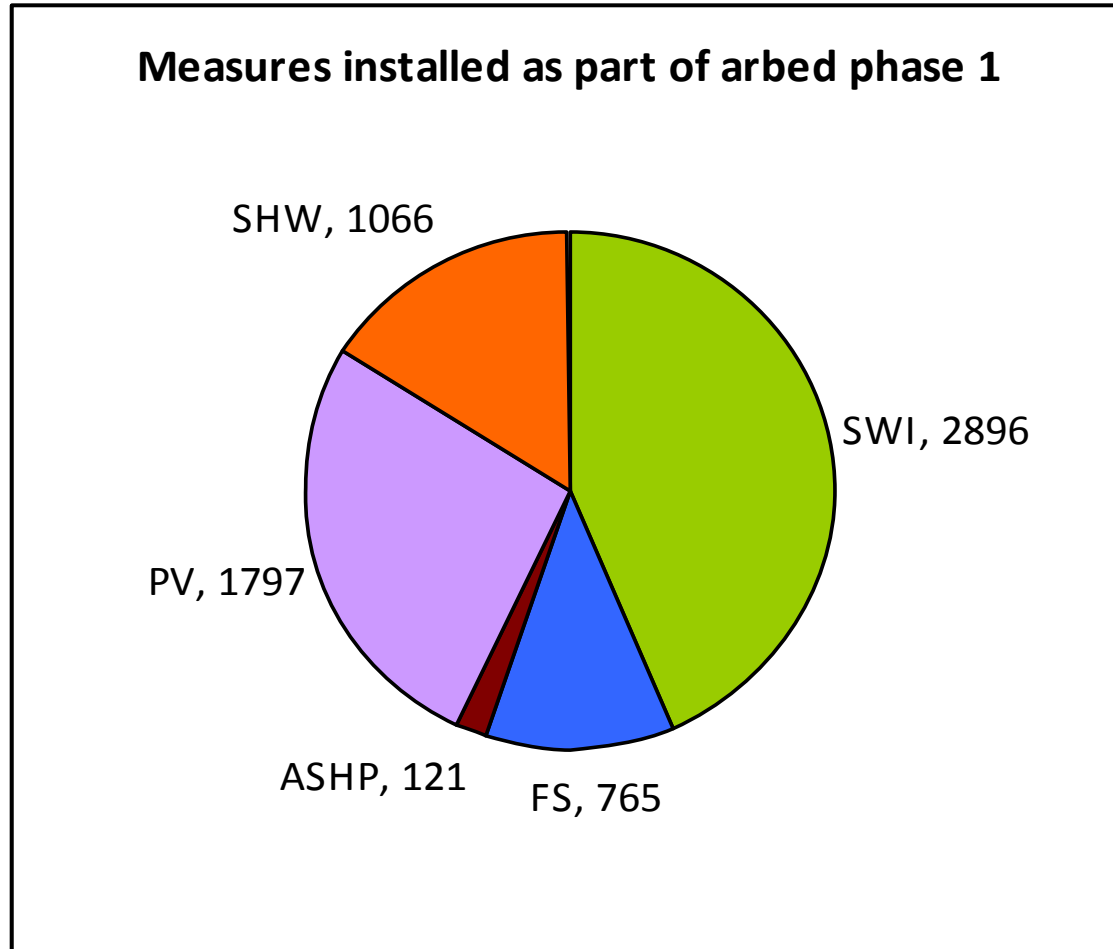
Schemes across Wales in 18 local authorities



Key facts – tenure and construction



Key facts – measures installed



Impact

- £98 million energy bill savings (modelled)
- 12,000 tonnes CO₂/yr (modelled)
- Accreditation of installers
- Most products manufactured and/or companies located in Wales
- Training and/or employment provided to unemployed people
- Evaluation of on-the-ground energy impact this winter (focusing on SHW and ASHP)

Lessons learnt

- Engagement
- Advice
- Planning and programming
- Maintenance and risk
- Building control and planning permission
- Measuring impact
- Costs

Engagement

- Time
- Strategy
- Trust

Advice

- Clear and simple
- Verbal and written
- Follow up

Planning and programming

- Preparation, briefing, up-skilling
- Accurate assessment and surveying



Maintenance and risk

- Planned maintenance schedule
- Risks associated with new measures
 - Solar panels being switched off
 - Obstructions

Planning and building control

- Early consideration, engagement and costing
- Test installations
- Sensible approach



Measuring and maximising impact

- Modelling energy consumption
- Wellbeing
- Longer term training pathways



Costs

- 20-50% cost reductions achieved
- £12k-£15k for full package for property requiring solid wall insulation
- Data, data, data!



Eco Centre Evaluation

- Eco Centre Wales undertaking Arbed 1 evaluation
- Investigating experience of Arbed and impacts of measures
- Lessons Learnt:
 - Instruction
 - Early advice and preparation
 - Energy advice
- Final results due summer 2012

Arbed phase 2

- Improve 4790 homes over 3 years
- First round of schemes submitted and being evaluated
- First round of installations – Summer 2012
- Scheme manager update
- Further monitoring and evaluation providing opportunities to learn and share lessons learnt