

PUBLIC ENGAGEMENT: FROM IDEA TO IMPACT



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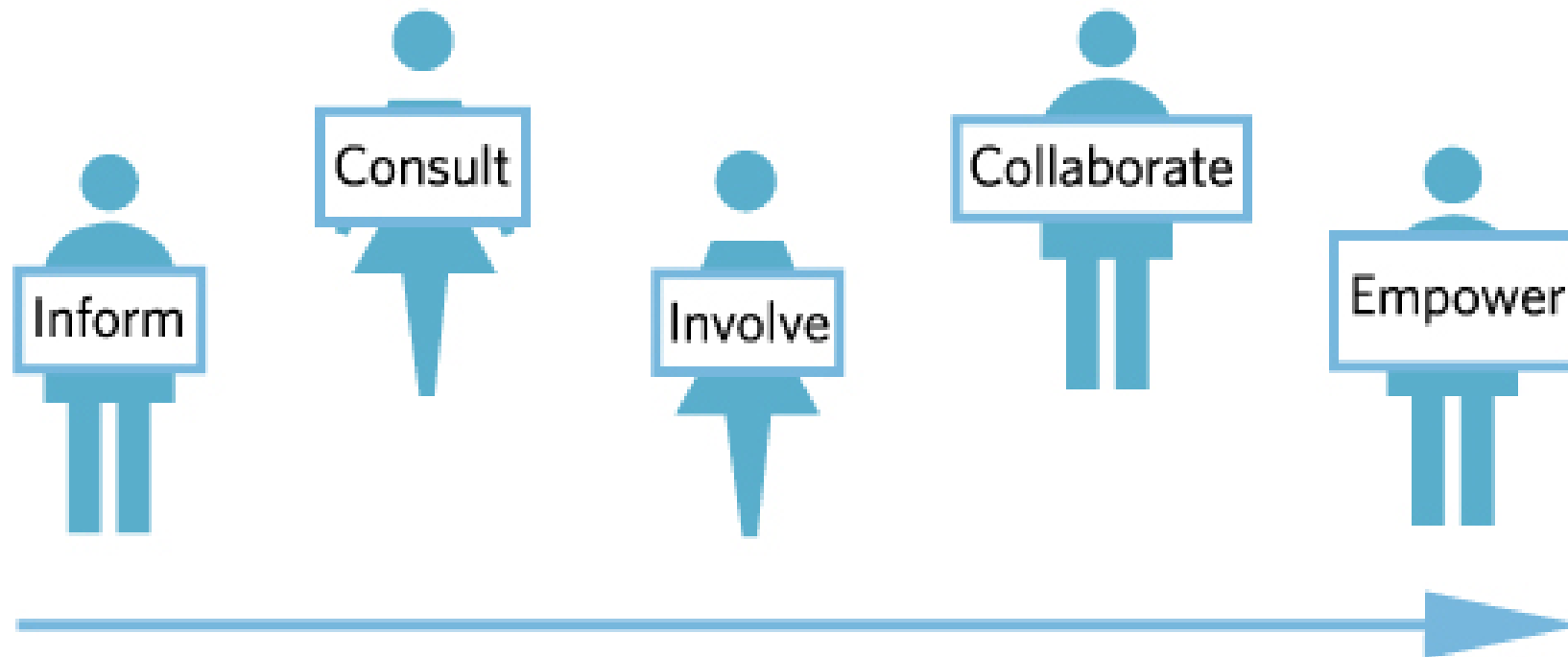


WHAT IS PUBLIC ENGAGEMENT?

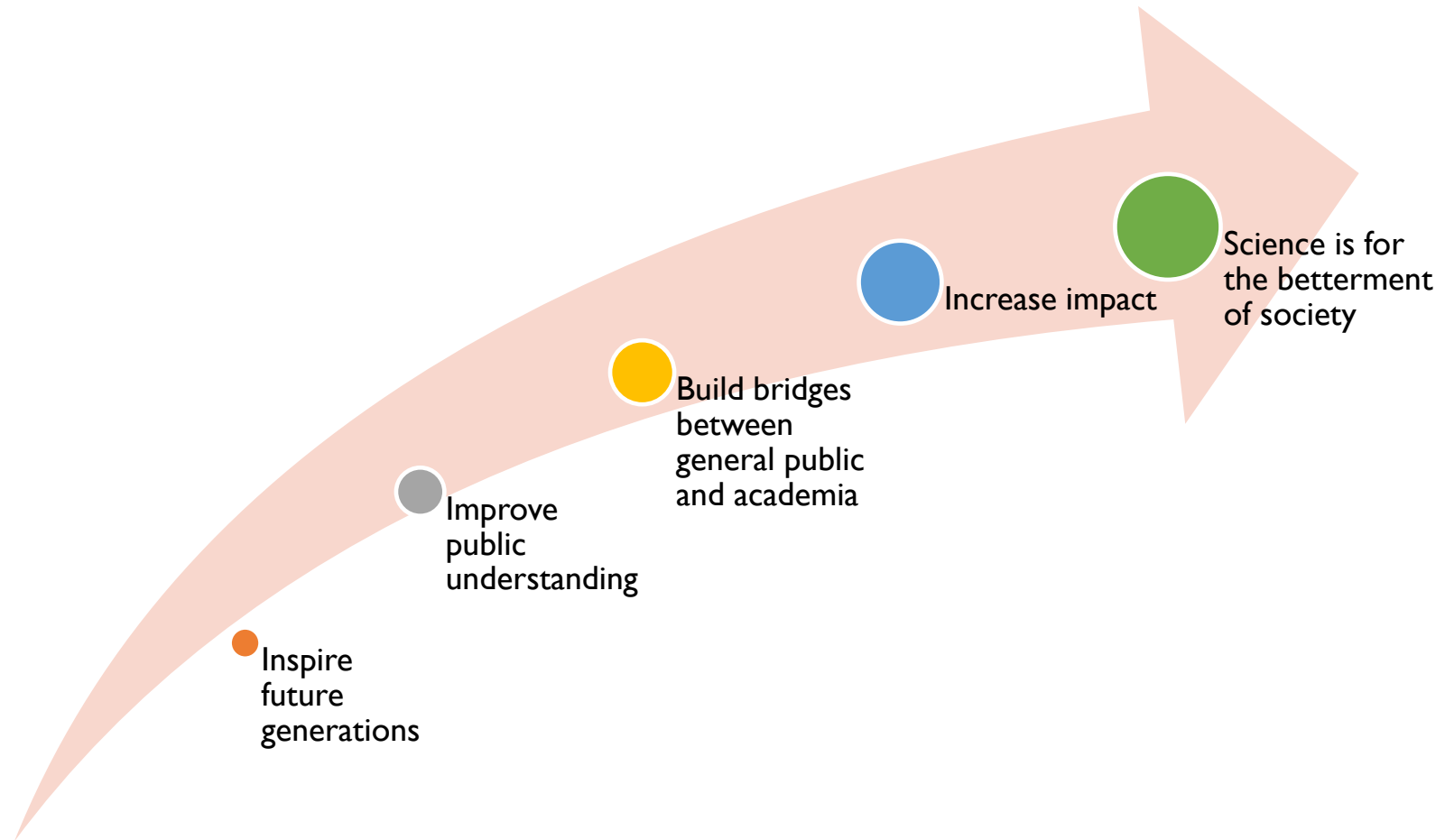
WHAT IS PUBLIC
ENGAGEMENT ?



AIMS OF PUBLIC ENGAGEMENT



THE IMPORTANCE






**BUT WHY SHOULD
WE CARE**

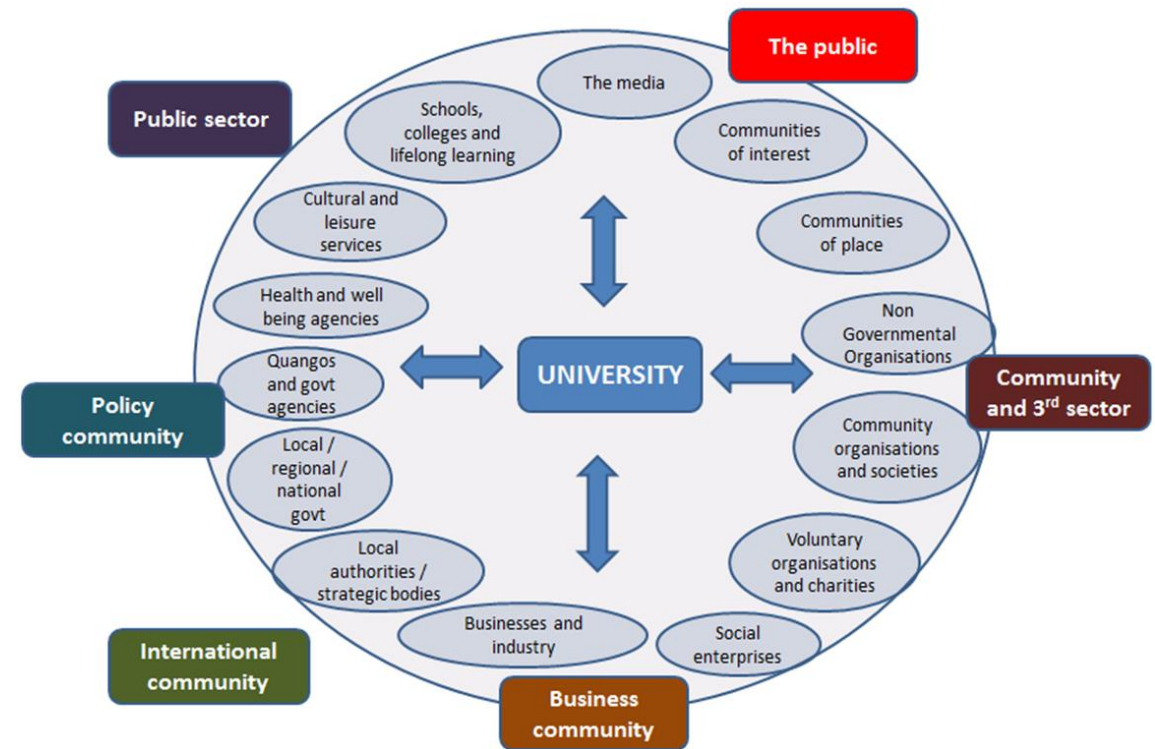


**WHY SHOULD
WE EVEN
CARE?**



FACTS & CONSIDERATIONS

| Public Engagement in Science | | |
|--|--|---|
| Models | The UK | Ireland |
| Deficit model  Idea of 'to know science is to love it'. One-way information transfer from scientists to public. Basis of formal science education. | Public Understanding of Science Report (Royal Society, 1985) Foundation of deficit model & resulted in establishment of formal science education. | Science, Technology and Innovation awareness programme (1996) Managed by Forfás, a campaign to increase awareness of science. First Irish Science week. |
| Dialogue model  Model based on two way communication between scientist and public where ideas and information are shared. | Science & Society Report (House of Lords, 2000) Identified need for two-way dialogue and engagement with public or society. | Discover Science and Engineering established 2003 Brought together groups that aimed to promote science awareness in both public & private sectors. |
| Participatory model  Public and scientists work together. The public is an involved collaborator in the research process. | Establishment of the National Coordinating Centre for Public Engagement (Research Councils UK & Wellcome Trust, 2008) Deepening commitment to institutionalisation of PE led to setting up of NCCPE. | National Strategy for Higher Education to 2030 (Hunt Report) (Dept. of Education & Skills, 2011) Sets goals for higher education institutions to engage with communities. |
| | Concordat for Engaging the Public with Research (Research Councils UK, 2010) Statement of objectives for PE & a commitment to support it. | Science Foundation Ireland Strategic Plan - Agenda 2020 (SFI, 2012) Aims 'to have the most engaged and scientifically informed public'. 'Discover' programme set up. |
| | Research Excellence Framework impact agendas (2014) New system for assessing quality of research includes impact of research outside of academia. | Campus Engage Charter (Campus Engage National Network, 2014) Higher education institutions commit to civic and community engagement. |



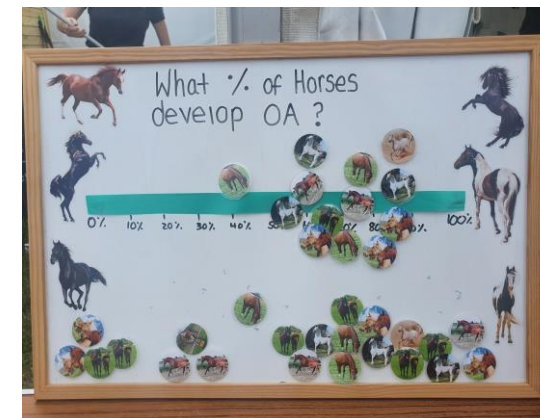
PUBLIC ENGAGEMENT – INSPIRE

- INSPIRE is a collaboration between the veterinary, dental and medical schools at the University of Liverpool.
- Encourages students to participate in research and outreach activities.
- INSPIRE offers
 - Research Summer School
 - Research studentships
 - Public engagement training
 - Public engagement activities – Blue Dot, Cheshire Show, Windsor Horse show
 - Abstract writing workshops
 - Mentorship evenings



What % of Horses develop OA ?

| Age | Percentage of Horses developing OA |
|-----|------------------------------------|
| 2 | 0% |
| 4 | 10% |
| 6 | 20% |
| 8 | 30% |
| 10 | 40% |
| 12 | 50% |
| 14 | 60% |
| 16 | 100% |



PUBLIC ENGAGEMENT – PINT OF SCIENCE

- International science festival.
- Brings researchers and postgraduate students to local pub/cafe/space to share their scientific discoveries.
- Target audience is the general public.
- To attend tickets must be bought (usually very cheap!).



PUBLIC ENGAGEMENT- INFORMATIVE MATERIALS

- As a researcher you can apply for funding for public engagement activities.
- Can produce leaflets and infographics to tackle the spread of misinformation.
- These can be used at various events and given to the public.
- Collaborations can also form between academic and clinical environments if such materials are left in waiting rooms for example.



PUBLIC ENGAGEMENT – MEET THE SCIENTIST

- Family friendly activity organised by University of Liverpool Faculty of Health and Life Sciences.
- Hosted at museums.
- Scientists attend and run activities for children and young people.
- Activities often relate to their research.
- Ideas include:
 - Taking teaching props,
 - interactive boards
 - Lab equipment (pipettes)
 - Doing basic experiments (DNA extraction from strawberries).



TYPES OF ACTIVITIES



What kind of activities
could you do ?

PUBLIC ENGAGEMENT- PATIENT INVOLVEMENT PANELS

- Within our institute at Liverpool we have an Arthritis Patient Involvement Panel and Companion Animal Involvement Panel.
- Aim – to involve stakeholders in research, and encourage a two-way conversation surrounding the direction of research and potential grant ideas.
- It is becoming increasingly more important to funders that patients/ stakeholders are involved in the conception of new ideas.



FURTHER EXAMPLES



- Researcher Dr Tamzin Furtado worked with Leahurst Equine Practice, the Horse Trust and Foxes Equestrian Centre in the Wirral to present rosettes in seven in-hand classes at Foxes for healthy weight categories. Now goes to horse shows across the UK doing this.
- Robert Gregory is an AKU patient and co-founder of the AKU Society along with Dr L Ranganath..The National AKU Centre has been named after Robert in recognition of his key role in driving forward the AKU movement.
- Collaboration with the UK Space Agency and Kayser Space Ltd to carry out research experiments on the International Space Station to help solve the puzzle of why our muscles get weaker as we age and find possible ways to prevent it.

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UoL Vet School INSPIRE engages vet undergrads with research, forming relationships with research scientists. Promoting collaboration and public engagement.

📍 Liverpool, England 🔗 [liverpool.ac.uk/veterinary-sci...](https://liverpool.ac.uk/veterinary-sciences/) 📅 Joined March 2020

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ANY QUESTIONS ?

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