

DEPTH STUDY OF CHOICE (6 Hours)

Create a Research Poster on a topic of your choice relating to the module we have just studied. You can choose one from the list below or one of your own.

- Medical uses of radioisotopes
- Hadron Collider synthesising new elements
- Radioactive dating in geology
- Environmental views on nuclear power – Case Study Fukushima
- Living in the shadow of Lucas Heights reactor
- Historical development of the periodic table and advances in technology leading to discovery of elements
- Converting peanut butter to diamond

Linking to the course:

- As part of your introduction section of your research, link your topic to the relevant content covered in the module.
- Present your findings in the body of the poster, using relevant subheading and images
- Use the conclusion section to relate the findings as an extension of the module content.

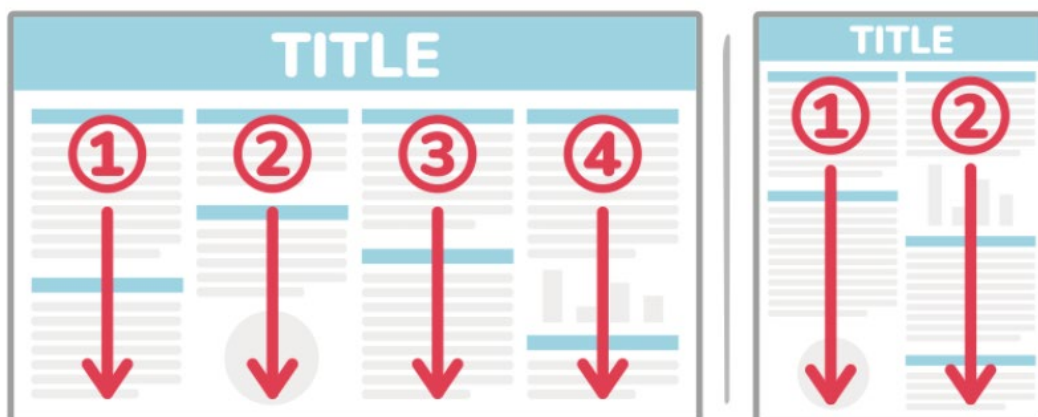
Common Sections

Every section you include should have a purpose and be familiar to the viewer. The easiest way to decide which sections to include on your poster are to organize your information into 3 categories - *Introduction*, *Research*, and *Conclusion*. The Introduction sections set the stage and outline why you did the research you did. The Research shows all the data you collected and how you collected it. Finally, the Conclusion sections analyze and summarize your results. This is what the viewer ultimately takes away from your poster, so pay special attention to these sections.

COMMON POSTER SECTIONS		
INTRODUCTION	RESEARCH	CONCLUSION
Introduction	Materials	Conclusion
Condensed Abstract ①	Methodology	Recommendations
Background	Analysis	Implications
Hypothesis	Models	Discussion
Objectives/Purpose	Results	Acknowledgements
		Contact Information ①

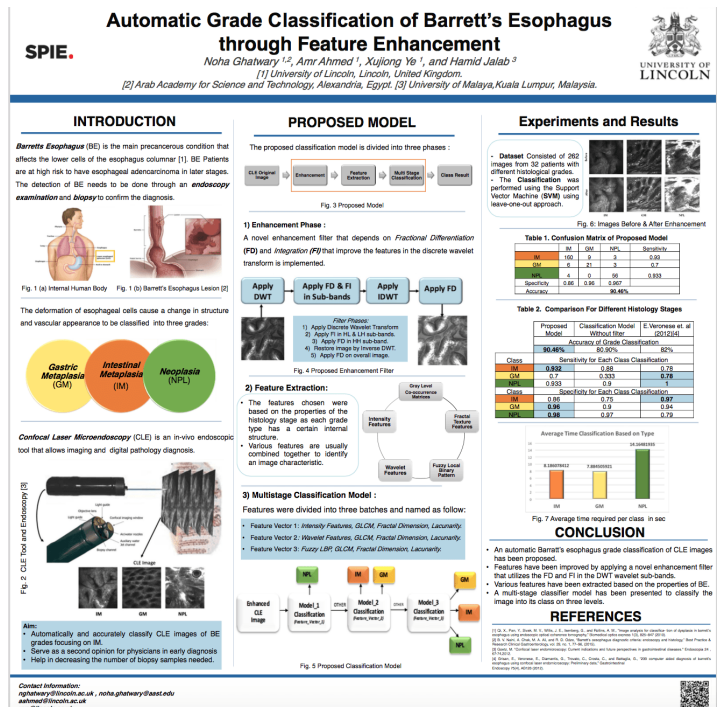
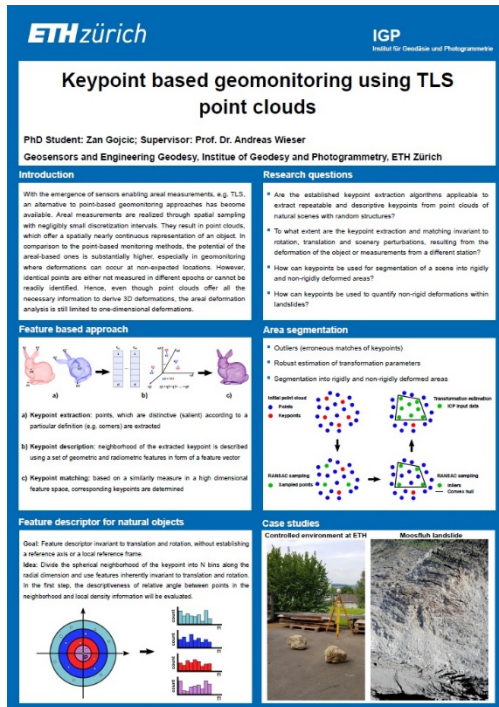
How To Organize Poster

Most posters are divided into columns, with 1-3 sections per column. Each column is read from top to bottom and columns are read from left to right. Reading your poster in this order should give the viewer a clear picture of your research.



Some example formats of Research Poster

You can access free templates on sites such as makesigns.com



Public Participation 2.0: A Pilot Assessment of Public Participation via Regulations.gov



Research Questions: Regulations.gov and Public Participation

Regulations.gov is an e-government website that aims to facilitate public participation in policymaking by allowing anyone to view and comment on proposed rules and regulations.

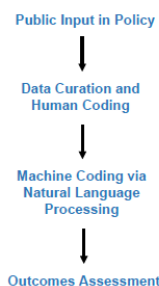
- What was the nature of public participation in a recent case?
- How can researchers quickly analyze thousands of comments?
- Does Regulations.gov meet the aims of a hybrid forum?

The Case: APHIS-2013-0043

The USDA solicited comments on the potential environmental impacts of Monsanto's petition to deregulate its new cotton and soybean seeds, which were genetically modified to withstand an herbicide comprised of both dicamba and glyphosate.



Methods



Hybrid Forums

"open spaces where groups can come together to discuss technical options involving the collective" (Callon, Lascombe, and Barthe, 18)

Inclusion: includes a range of stakeholders and expertise
Scope: addresses technical, but also social, economic, ethical matters
Authority: distributes authority among participants

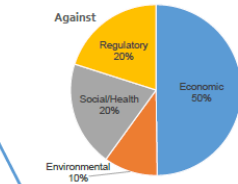
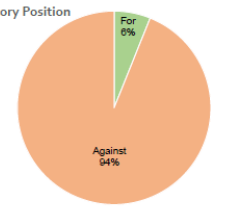
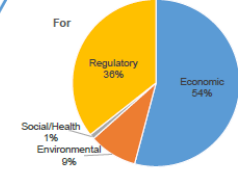
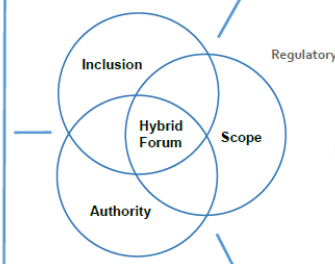
Coding Schema

Coding Schema with Brief Descriptions of Each Code

Position (Comment)	
For	Supports the option to deregulate
Against	Opposes the option to deregulate
Themes (Sentence)	
Economic	Argument grounded in economic consequences
Environmental	Argument grounded in ecological consequences (not explicitly connected to human)
Social/Human Health	Argument grounded in consequences for human health or appeal to social issues and/or community
Regulatory Outcome and Warranting	Explicit statement of the regulatory position of the commenter or argument about the role of the regulatory agency

Participants included:

- Approx 70,000 "public" commenters
- Industry representatives/trade groups
- Academic researchers
- Non-government organizations
- Concerned/affected individuals



Outcome

- APHIS stated they received 4693 comments with the majority in favor of deregulation (not the 70,000 I counted)
- APHIS did not count batch-uploaded comments
- Non-regulated status was granted



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