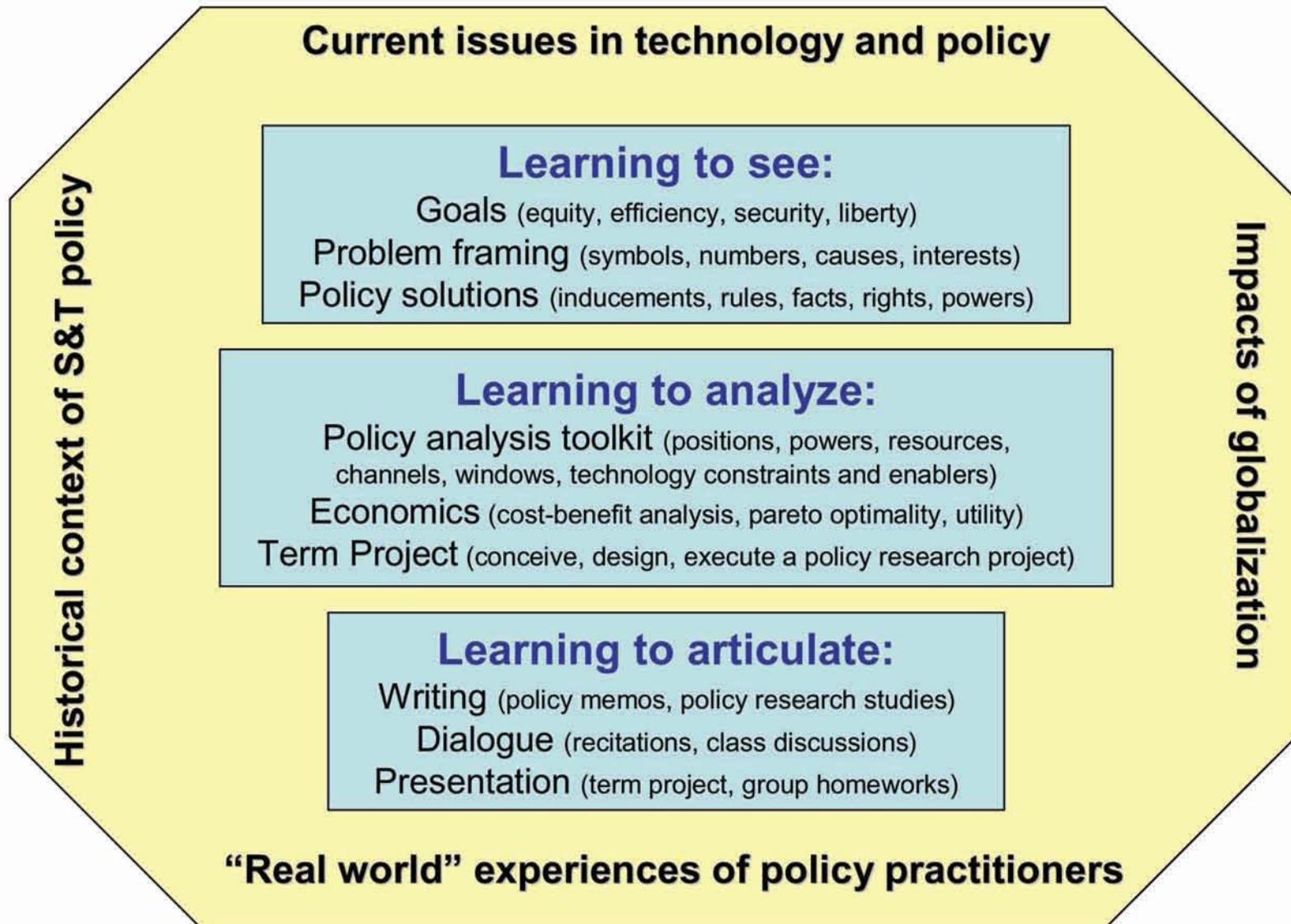




Technology and Policy Analysis

Annalisa Weigel
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ESD.10 Meta-Learning Objective: **Appreciate the political, social, and institutional context of technological systems**





Applying technology and policy analysis techniques

- **Examine 6 drawers in the tool chest using an example technology and policy area**
 - Telecommuting
- **Read stage setting article**



“Drawers” in your tool chest for technology and policy analysis





Issue framing

- **What fundamental goals are in play?**
- **What are the bounds of the issue?**
- **How is the issue cast?**
 - **Economic (cost-benefit), safety (risk-benefit), interests (sides), control, conspiracy, victimization, causes**



Stakeholders

- **Who cares about the issue? What are their motivations?**
- **What are their core beliefs and values?**
- **How are stakeholders arrayed on the issue?**
- **What coalitions exist?**



Technology and policy interactions

- How does the technology constrain or enable policy?
- How does the policy constrain or enable technology?





Channels

- **What channels exist for taking action on the issue?**
 - Electoral, legislative, legal, administrative, media, grassroots...
- **What are the costs and benefits of using various channels, now and in the future?**



Powers and resources

- **Who has formal and informal power to take action?**
- **Who has resources to put to the issue?**
- **Who can influence those that take action / have resources?**
- **How can people with power/resources/influence be mobilized?**



Windows

- **Which focusing events could be imagined that would put the issue on the agenda?**
- **Are there institutional routines for moving the issue?**