Interagency and International Collaboration for Space Solar Power Implementation

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Interagency collaboration on SSP

• Would touch priorities other than space: environment, land use, energy regulation, air travel routes, international treaties, spectrum management, and private investors.

• Four groups of agencies to fulfill these roles:
  – US government
  – Foreign governments
  – Private companies
  – Non-governmental organizations
Issues with Interagency Collaborations

• Different agencies have different standards
• No method of dispute resolution
• Financial barriers
Framework for collaboration

• Joint Oversight committee structure
  – Director General
  – Council
    • Members would participate in various committees relevant to SSP

• Mutually dependent resulting from treaty-level commitment to cooperate
Department of Commerce
Department of Transportation
Department of Energy
Foreign governments

- JAXA: Japan Aerospace Exploration Agency
- CSA ASC
- ISRO: Indian Space Research Organisation
- ESA: European Space Agency
- ROSCOSMOS: Russian Federal Space Agency
- CNSA: China National Space Administration
Public-Private Partnerships
Non-governmental organizations

National Space Society

American Astronautical Society

The Planetary Society

IAF
Case Study on COMSAT

- COMSAT is similar in that it used government funds to develop a system for primarily commercial use
- COMSAT’s framework is similar to my proposed program framework