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# The Science Steering Committee

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NASA GSFC  
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# SSC Charter

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- ❖ The role of the ZTF Science Steering Committee (SSC), which shall be the principle advisory body to the ZTF Board, shall be to advise the ZTF Board regarding formulation of the detailed survey strategy. The ZTF's science programs will be directed by the SSC. Annually, each ZTF Principal and Minor Partner will nominate one Member to serve on the SSC. The composition of the SSC will be ratified by the ZTF Board. The SSC chair is appointed by the ZTF PI.
- ❖ The SSC is shared with the responsibility of overseeing all aspect of ZTF science operations under the policies and guidelines established by the ZTF Board. The spirit of ZTF is to conduct large surveys, which will have synergetic impact on a wide range of research topics. ZTF strategies will be limited by several factors including commitments to parties external to the Consortium (e.g., NSF, DESI) and limitations of the telescope, camera, and software pipelines. The exact strategy, taking into account all these limitations as well as science needs, will be the responsibility of the SSC and shall be approved by the ZTF Board.

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# SSC Charter

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- ❖ The ZTF SSC will convene at least semi-annually to conduct/ assess ZTF science operations in the following areas:
  - ❖ 1. Asses the status of existing ZTF projects, and make recommendations to ZTF Project teams on the assessment/ status of their project.
  - ❖ 2. Define the ZTF time allocations and priorities for the next semester, and report those to the ZTF Operations Scientist
  - ❖ 3. Assess requests to add Collaborators to ZTF-related projects and forward to the Board Chair for approval
  - ❖ 4. Maintain the list of approved ZTF Collaborators
  - ❖ ~~5. May review and comment on all ZTF publications before submission.~~
  - ❖ 6. Report on overall ZTF status to the ZTF Board.
  - ❖ 7. Oversee standing Science Working Groups.

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# SSC Members

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- ❖ Chow-Choong Ngeow (NCU)
- ❖ Avishay Gal-Yam (Weizmann)
- ❖ Marek Kowalski (DESY)
- ❖ Patrick Brady (UWM)
- ❖ Matthew Graham (ex officio, Project Scientist)
- ❖ Tom Prince (Caltech)
- ❖ George Helou (IPAC)
- ❖ Paula Szkody (UW)
- ❖ Ariel Goobar (OKC)
- ❖ Eric Bellm (ex officio, Alert Scientist)



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# SSC Activities

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- ❖ Took over from Experiments and Framework Committee (Chair: Goobar) ~ 1 June 2018
- ❖ Biweekly meetings starting late June focused on facility performance (data system, telescope, and P60/SEDM)
- ❖ Alternate weeks biweekly meetings with chairs of all Science Working Groups
- ❖ Some outcomes:
  - ❖ Retraining ML algorithms on low- $b$  sources
  - ❖ Sandbox environment for flat-field testing
  - ❖ Verifying delivery and performance of partnership only match files and light curve GUI

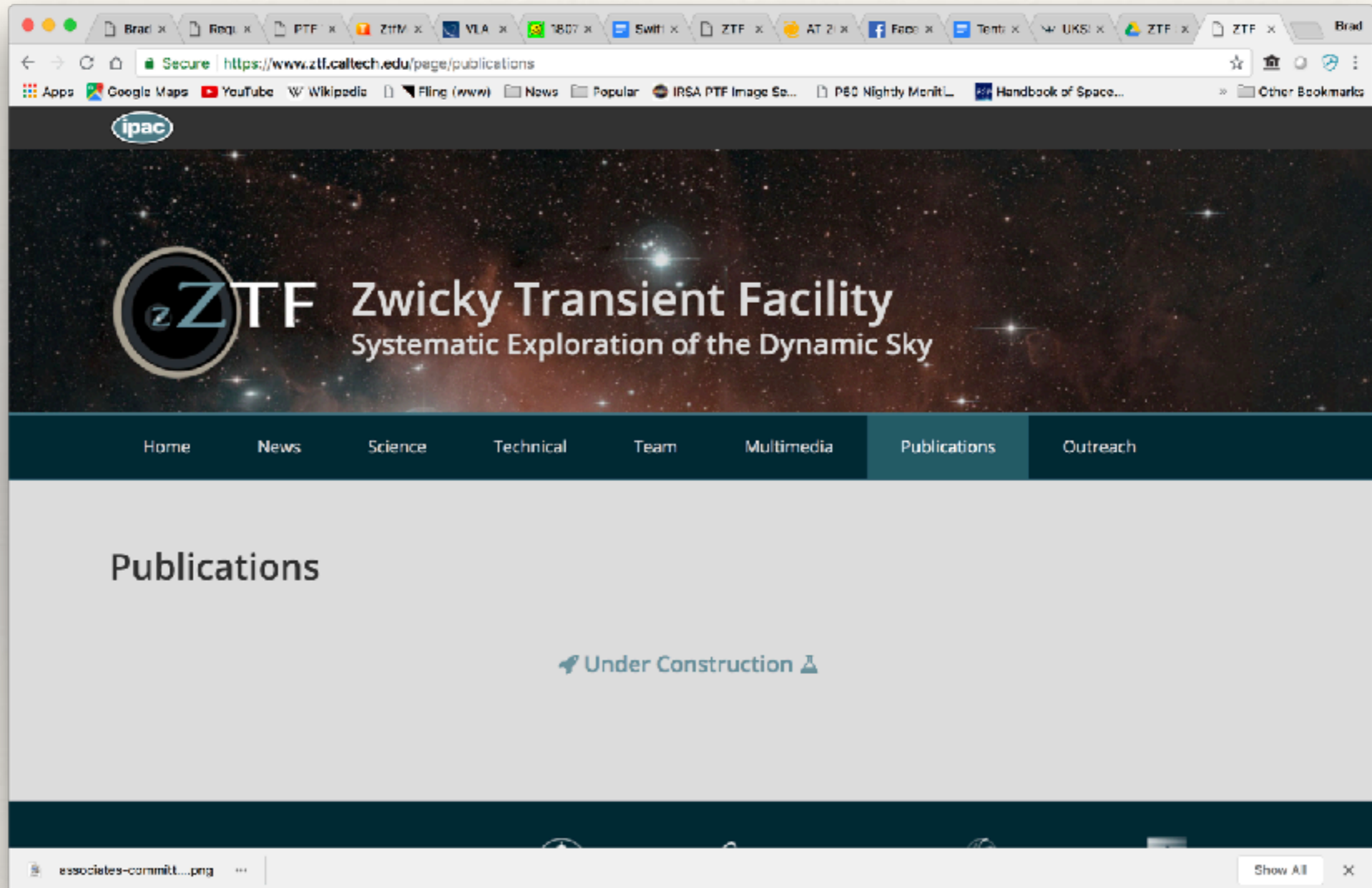
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# SSC Activities

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- ❖ Google drive with presentations and minutes:
  - ❖ <https://drive.google.com/drive/u/0/folders/1D-qCWaVDRC08WKVH97pHnZYtbda-idnD>

# Discussion



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- ❖ Completeness - how to evaluate this and who should do so?
- ❖ SEDM Usage - What should we be doing with the “extra” time?
- ❖ MSIP Data Policy (after year 1) - What should be released and when?
- ❖ Light Curves - Can we publish IPAC light curves? If not, what should we use?
- ❖ Communication - What are we doing well, and what could we do better?
- ❖ Follow-Up - Are our follow-up resources sufficient?
- ❖ Calibration - What do we require, and how do we get there?
- ❖ Reference Images - Do we want to observe secondary grid?