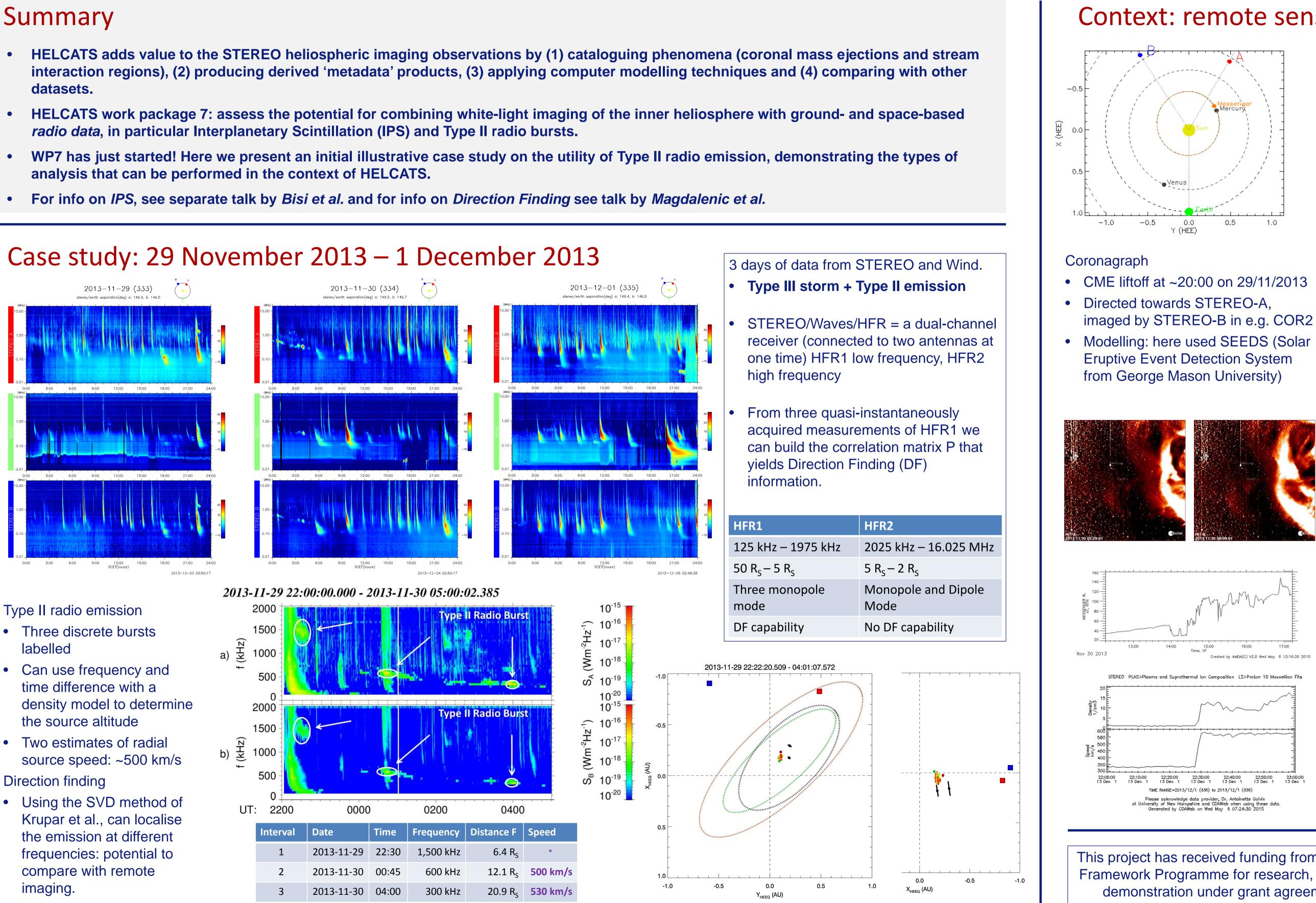
Assessing the complementary nature of radio measurements of solar wind transients: HELCATS WP7

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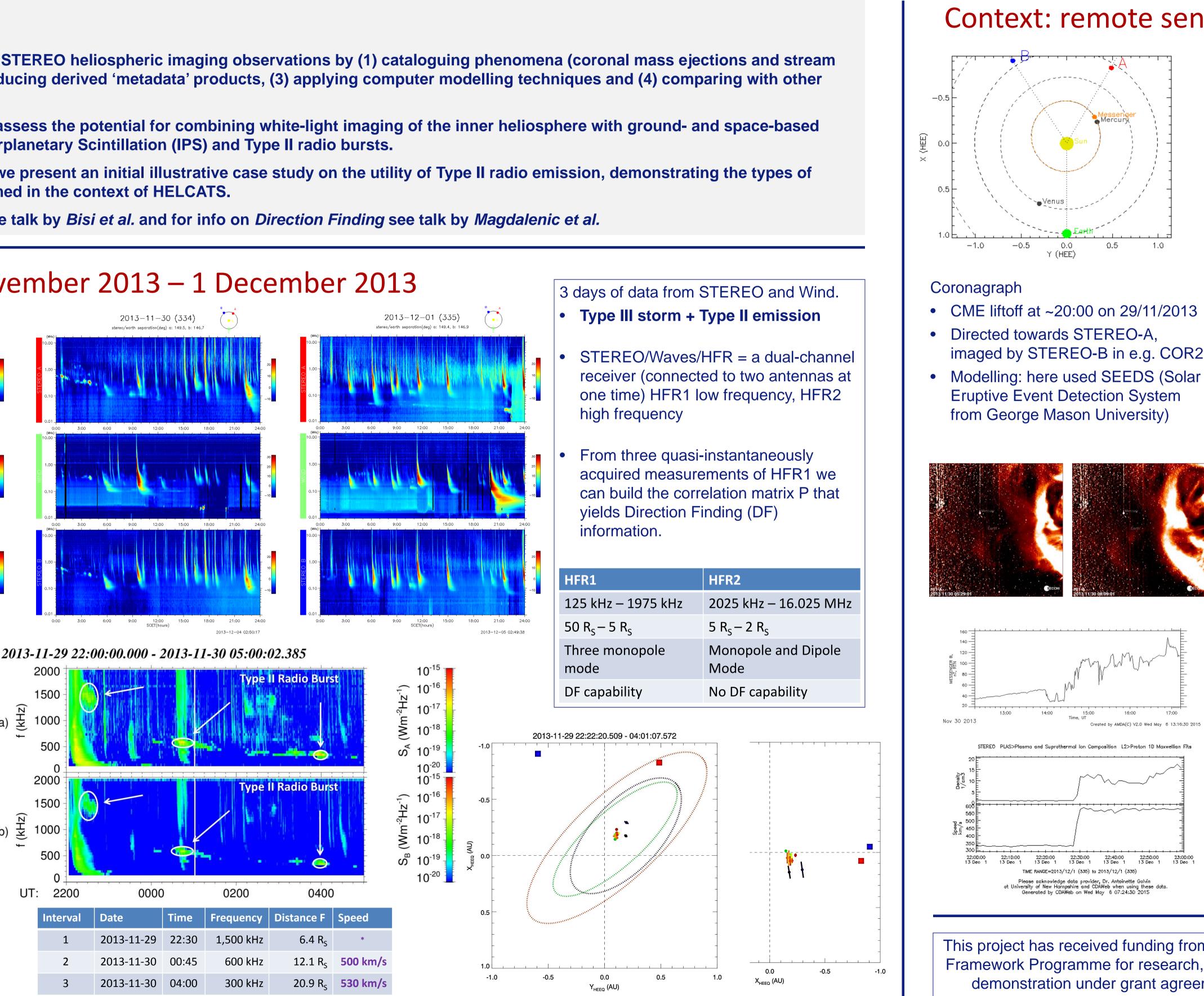
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Summary

- datasets.
- analysis that can be performed in the context of HELCATS.



- Can use frequency and

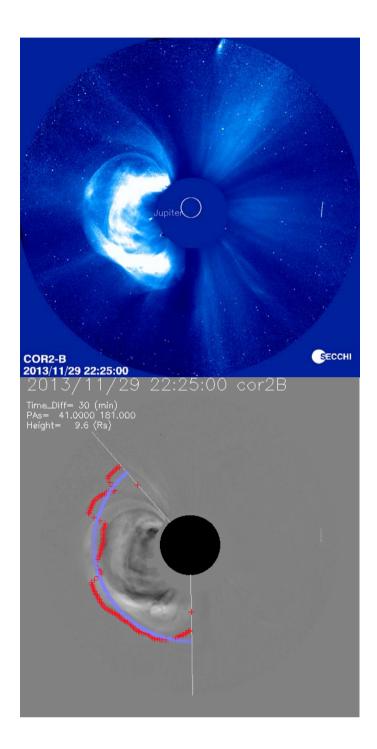






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Context: remote sensing and in situ



Heliospheric Imager

- Imaged by HI-1 in **STEREO A**
- STEREO B HI: not in field of view

In situ measurements: **MESSENGER**

- MESSENGER at Mercury was radially aligned with **STEREO-A**
- MESSENGER was in the solar wind and detected the shock (magnetic field only)

STEREO-A

- STEREO-A also measured the shock arrival
- Reached STEREO-A in ~50 hours
- Average speed: ~ 830 km/s

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