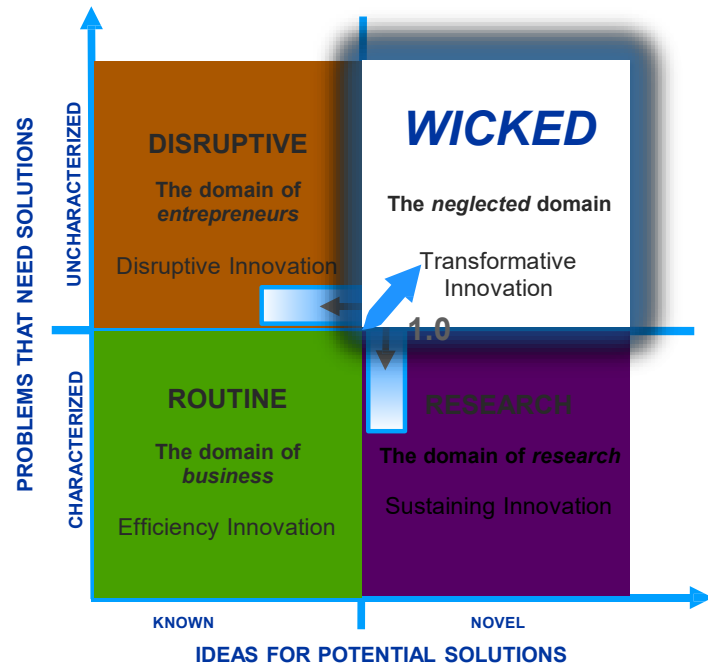


David Wagner, NASA/TACP/CAS



# Convergent Aeronautics Solutions (CAS)

## Urban Air Mobility Weather-tolerant Operations



### The CAS Challenge

#### Overarching Goals

- *More* transformative
- **Desirability, Viability, & Feasibility**

#### CAS Approach

- Customer-focused
- Problem-focused, open aperture
- Asynchronous agility

### Finding Wicked Problems to Solve!



#### CAS contacts

- Keith Wichman, [keith.d.wichman@nasa.gov](mailto:keith.d.wichman@nasa.gov)
- Jessica Reinert, [jessica.m.reiert@nasa.gov](mailto:jessica.m.reiert@nasa.gov)

#### Opportunity: *Ubiquitous Weather Sensing*

- Integrated into a related ongoing project
- Contact Grady Koch, [grady.j.koch@nasa.gov](mailto:grady.j.koch@nasa.gov)

#### Opportunity: *μWeather Moderation*

- **Feasibility study:** planning for FY22Q2 project start
- External skills: **building wind design**, **urban airflow modelling**, **city planning**, **architecture**
- Contact David Wagner, [david.wagner-1@nasa.gov](mailto:david.wagner-1@nasa.gov)