



Flight
Opportunities
Program

What's in the Flight Opportunities Payloads Pipeline?

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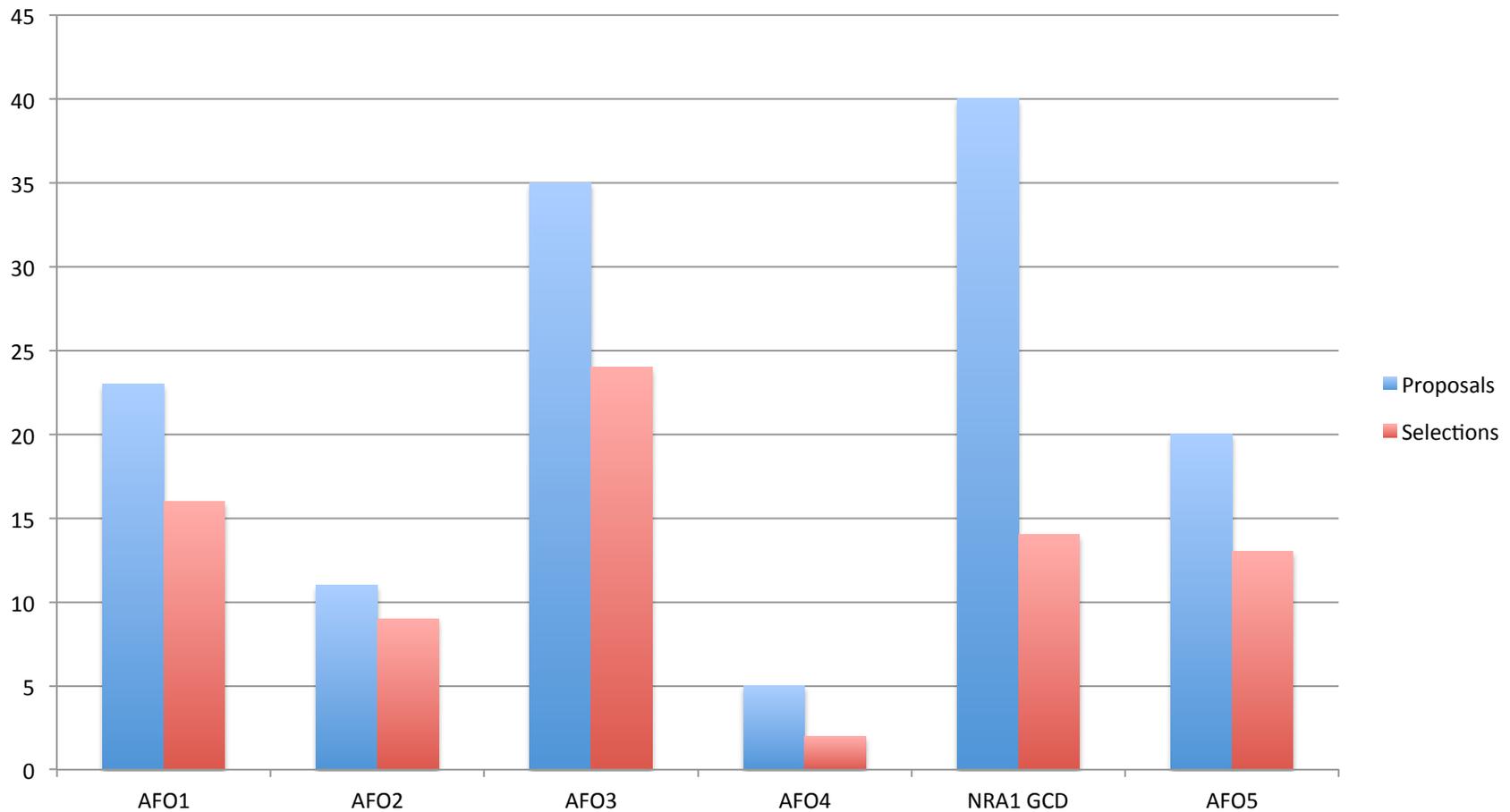
Alexander van Dijk, Mission Critical Technologies



- Demand side data
 - Proposals & Selections
 - Selections by Technology Area
 - Demand vs time (Overall, Parabolics, Balloons & sRLVs)
- Supply side
 - Flight Providers
- Conclusions



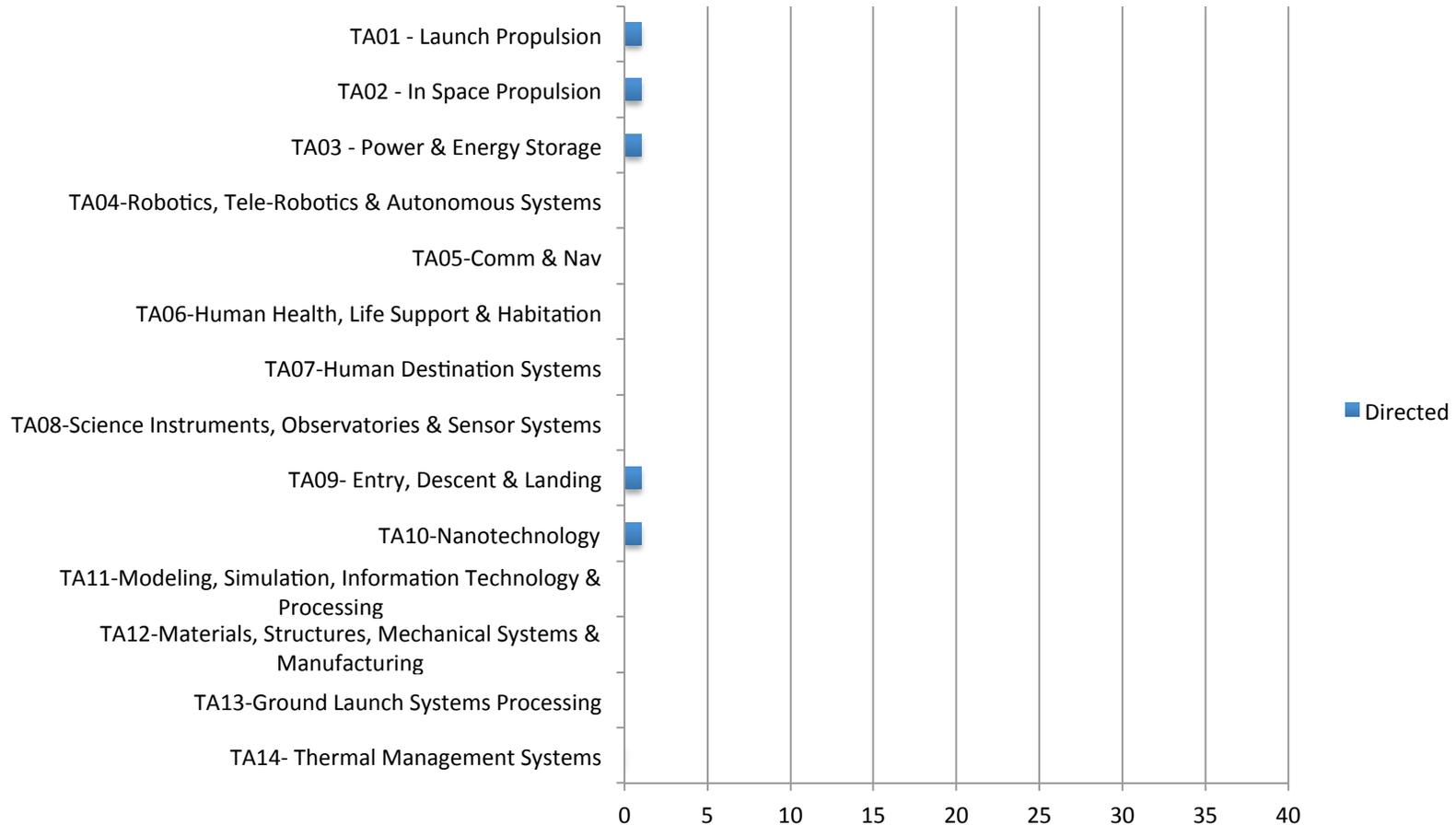
Proposals and Selections





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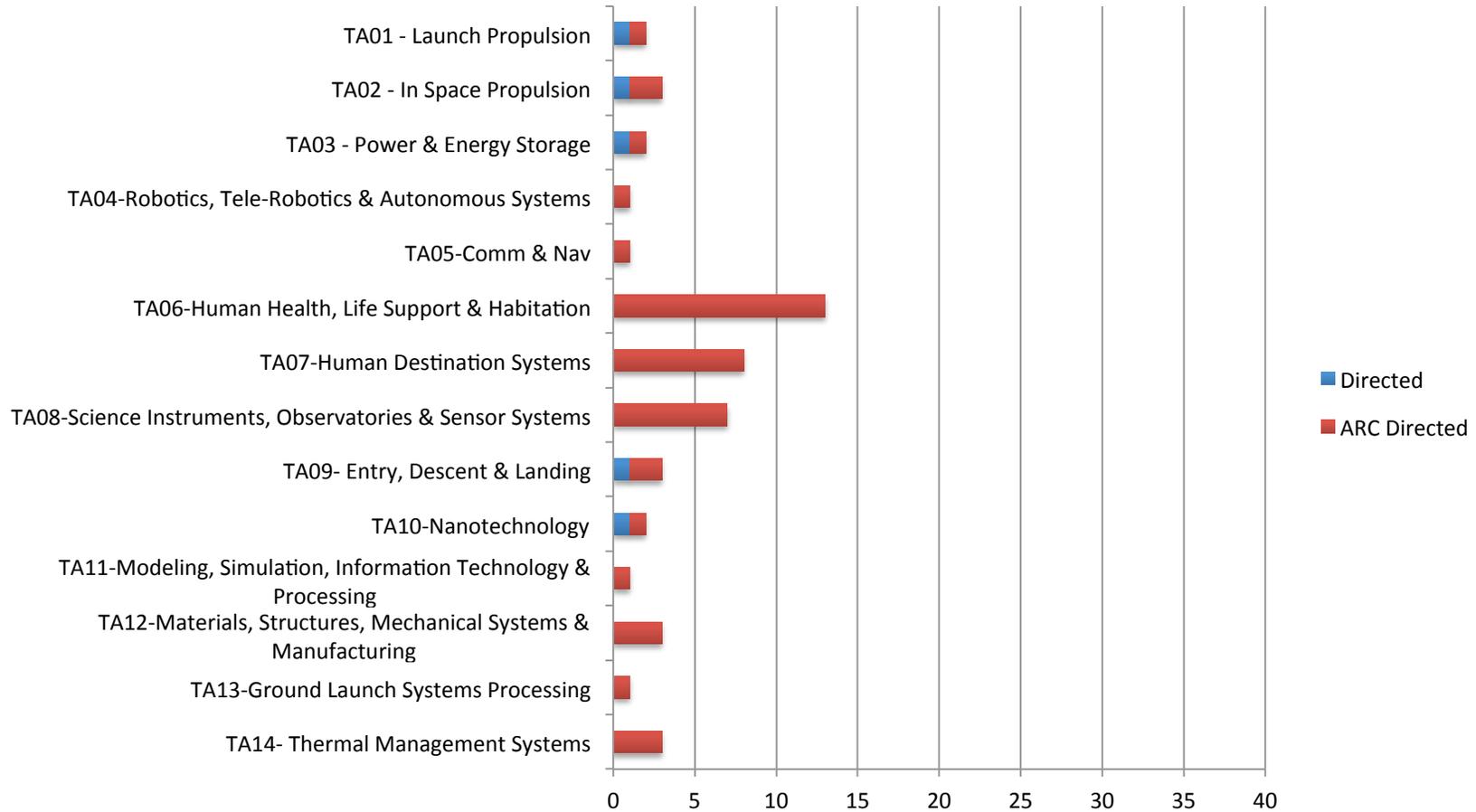
Selections by Technology Area





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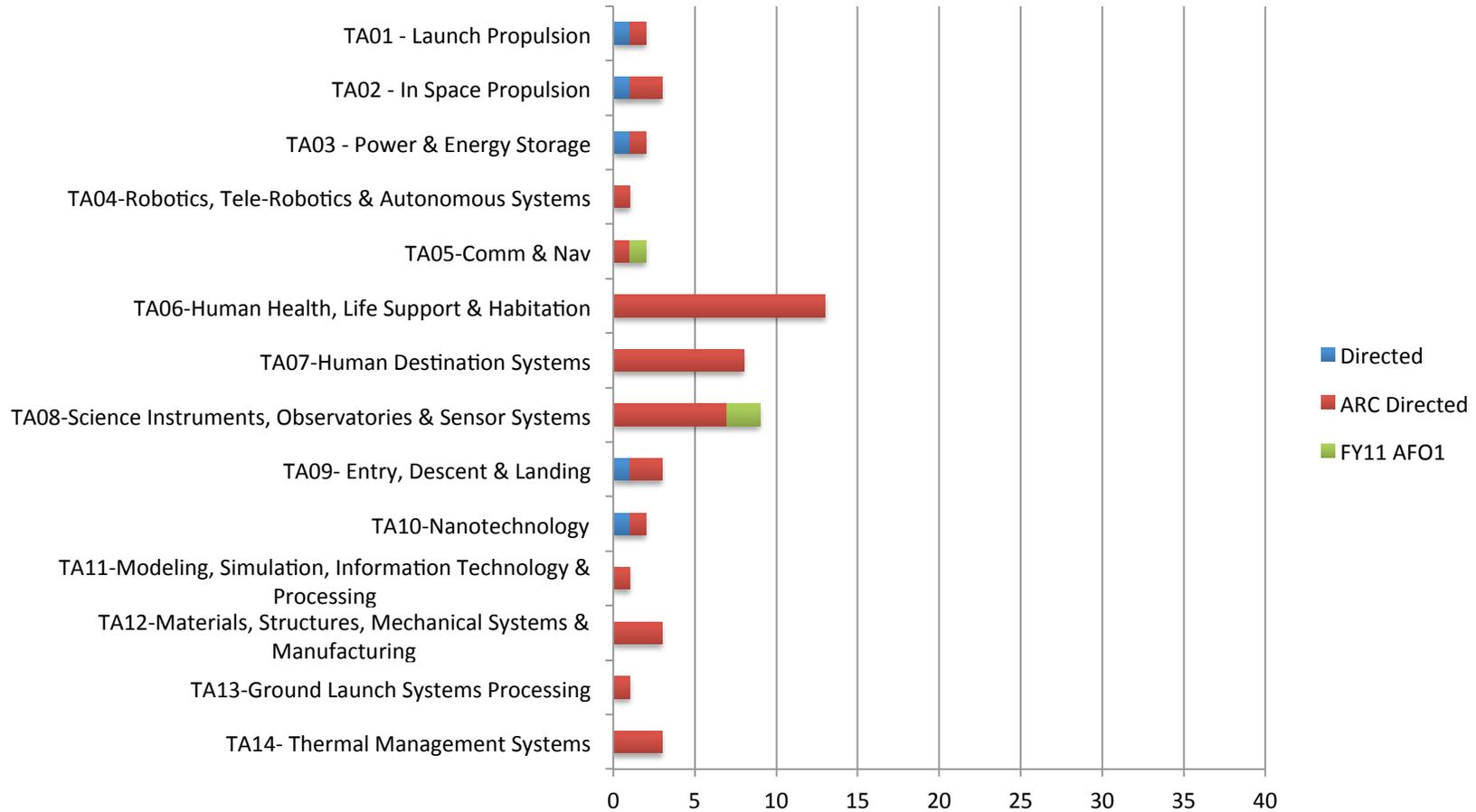
Selections by Technology Area





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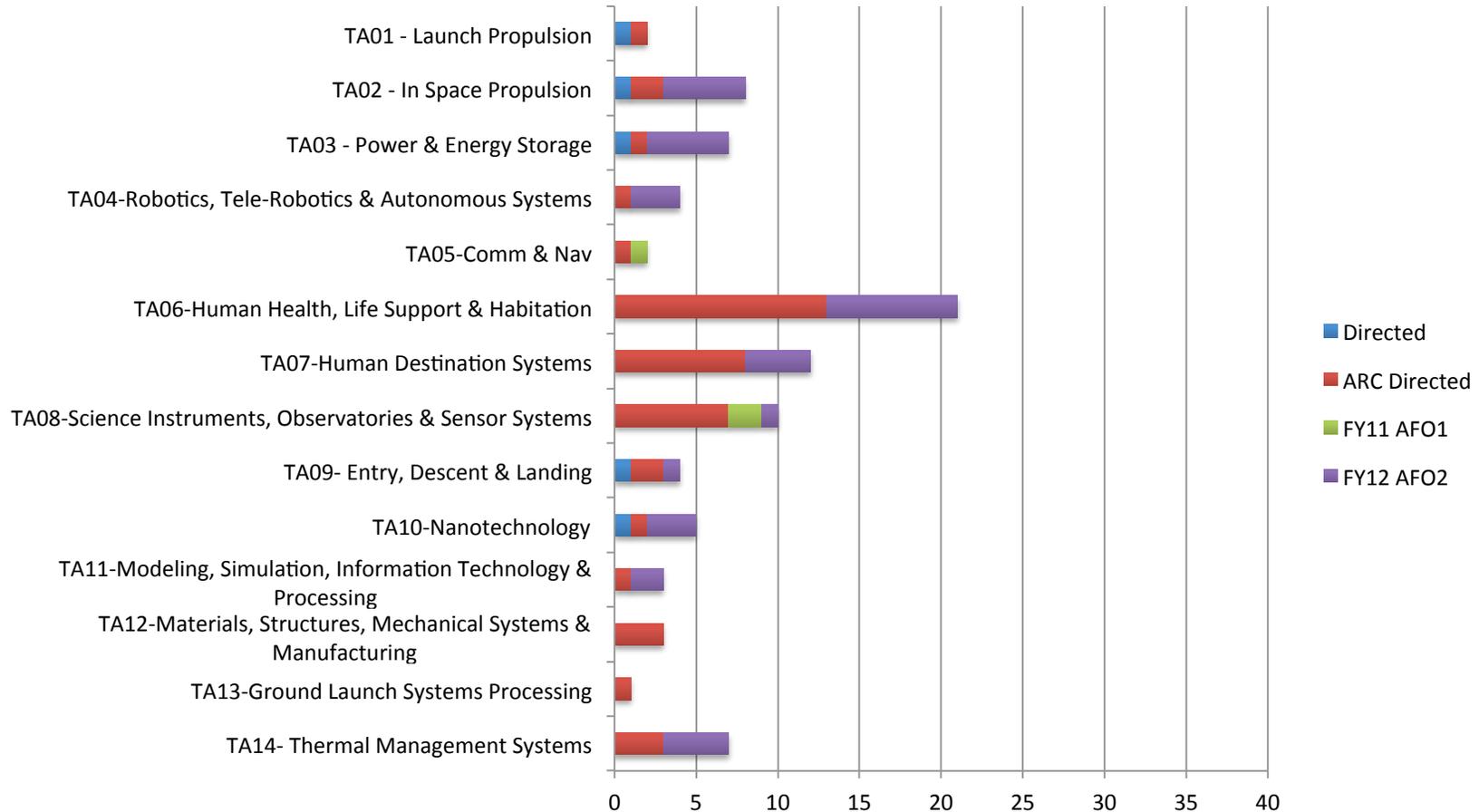
Selections by Technology Area





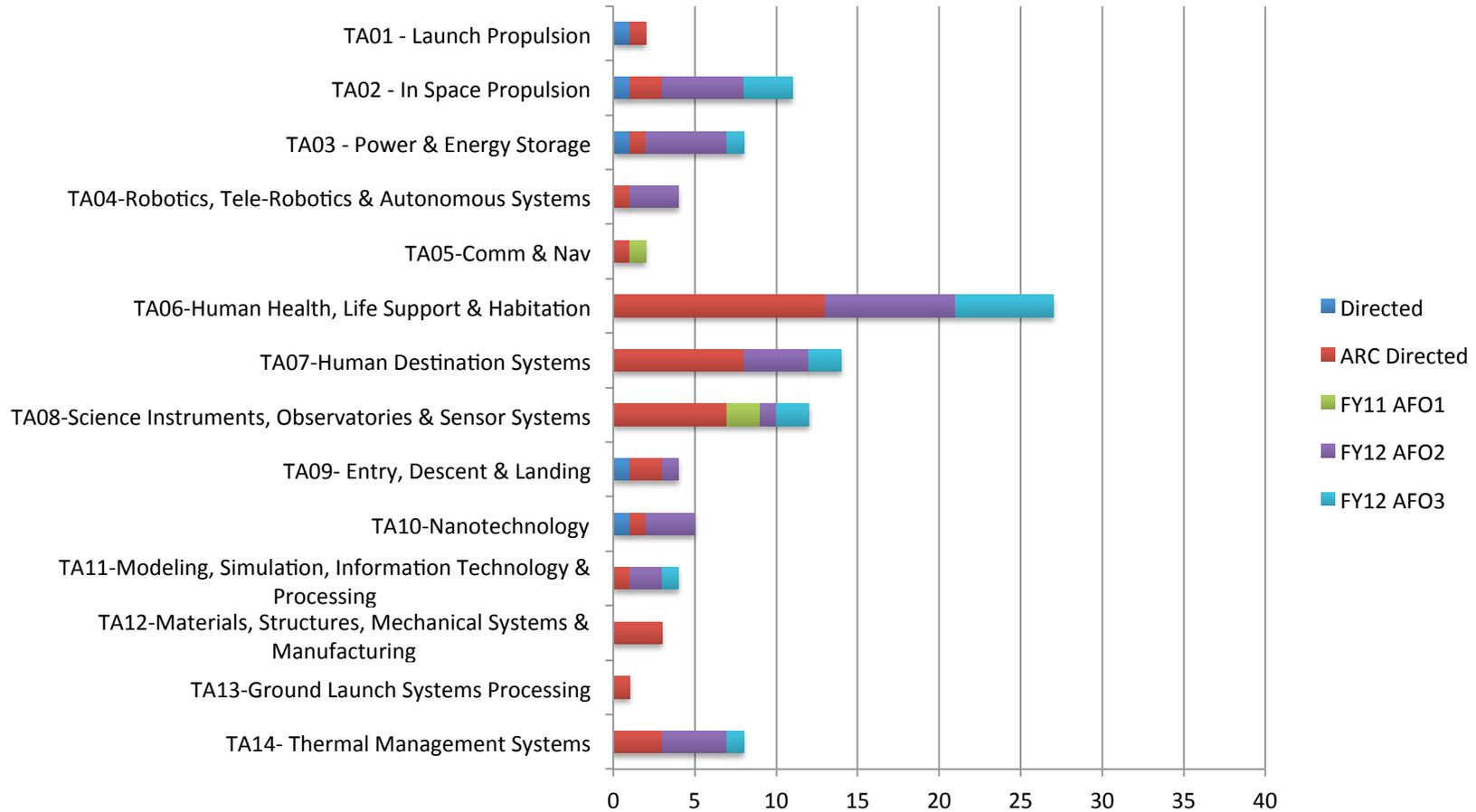
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Selections by Technology Area





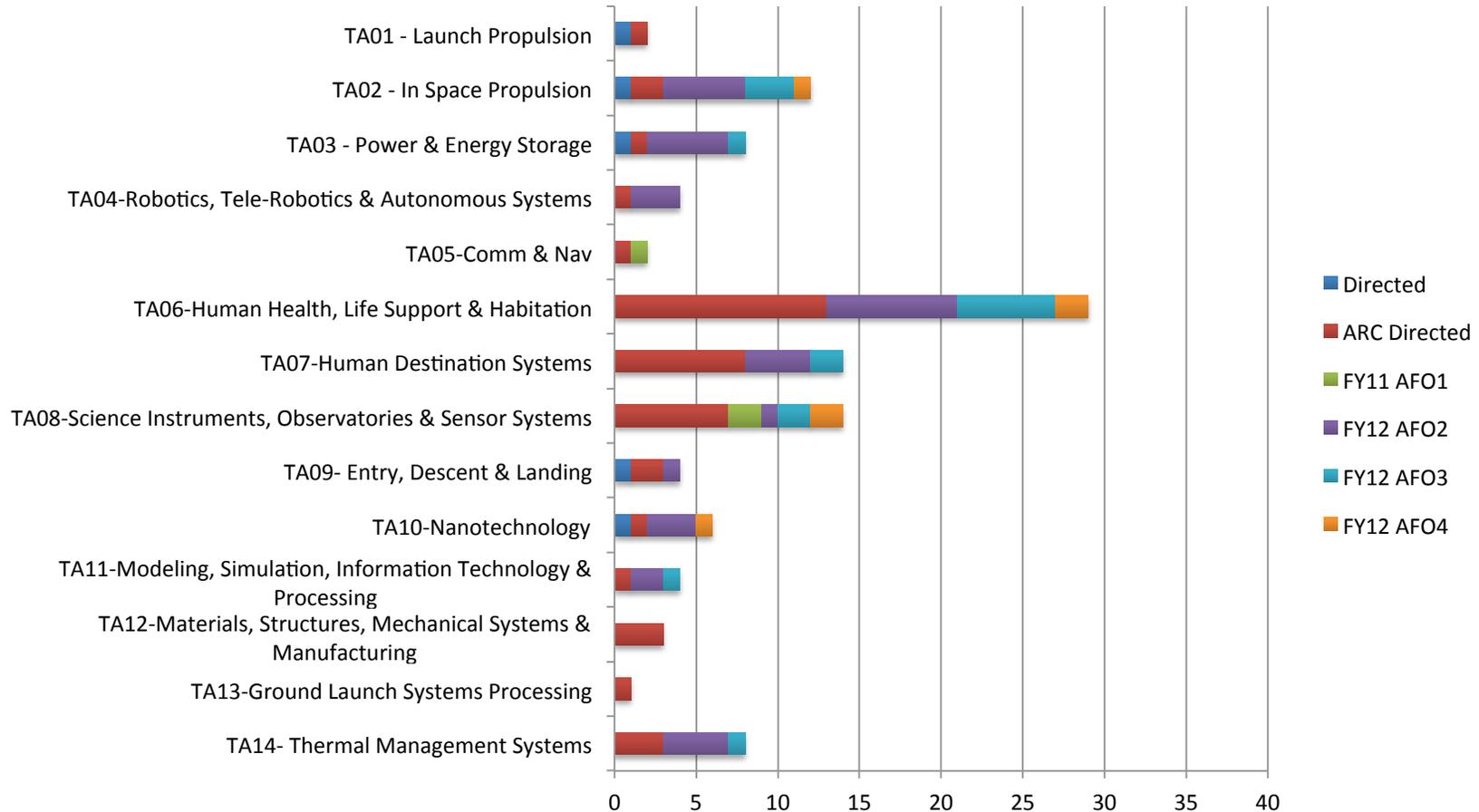
Selections by Technology Area





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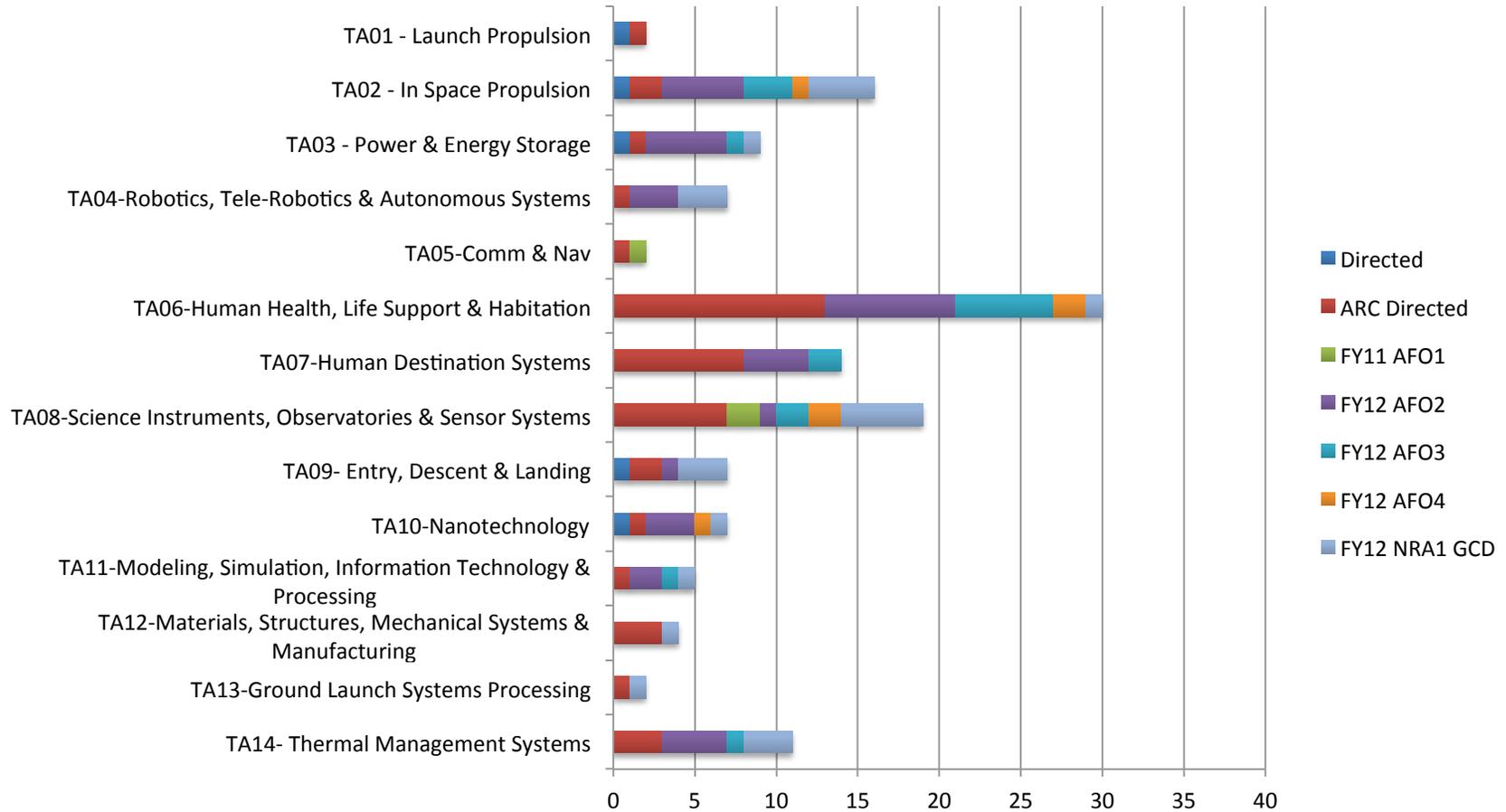
Selections by Technology Area





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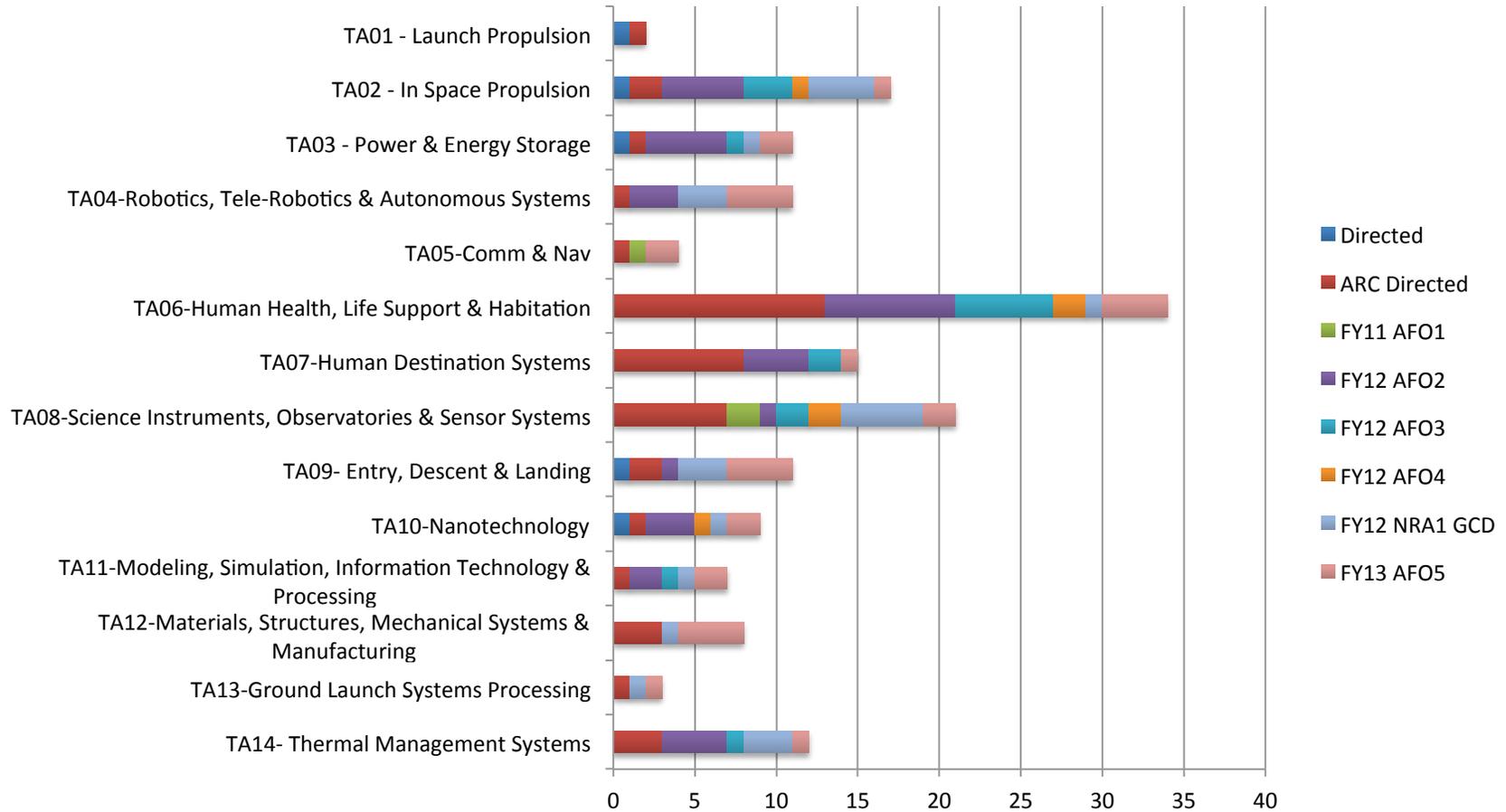
Selections by Technology Area





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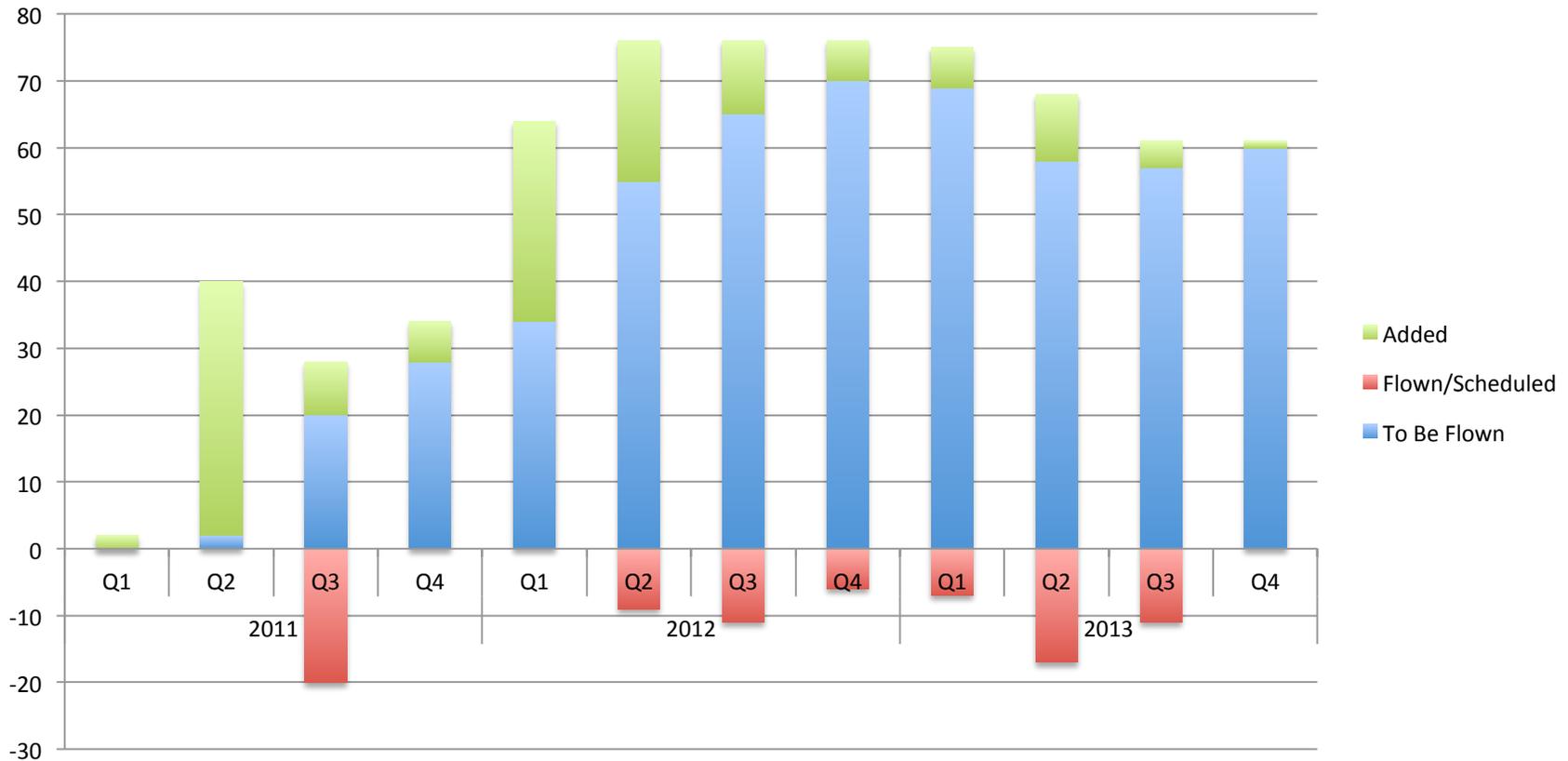
Selections by Technology Area





The Pipeline

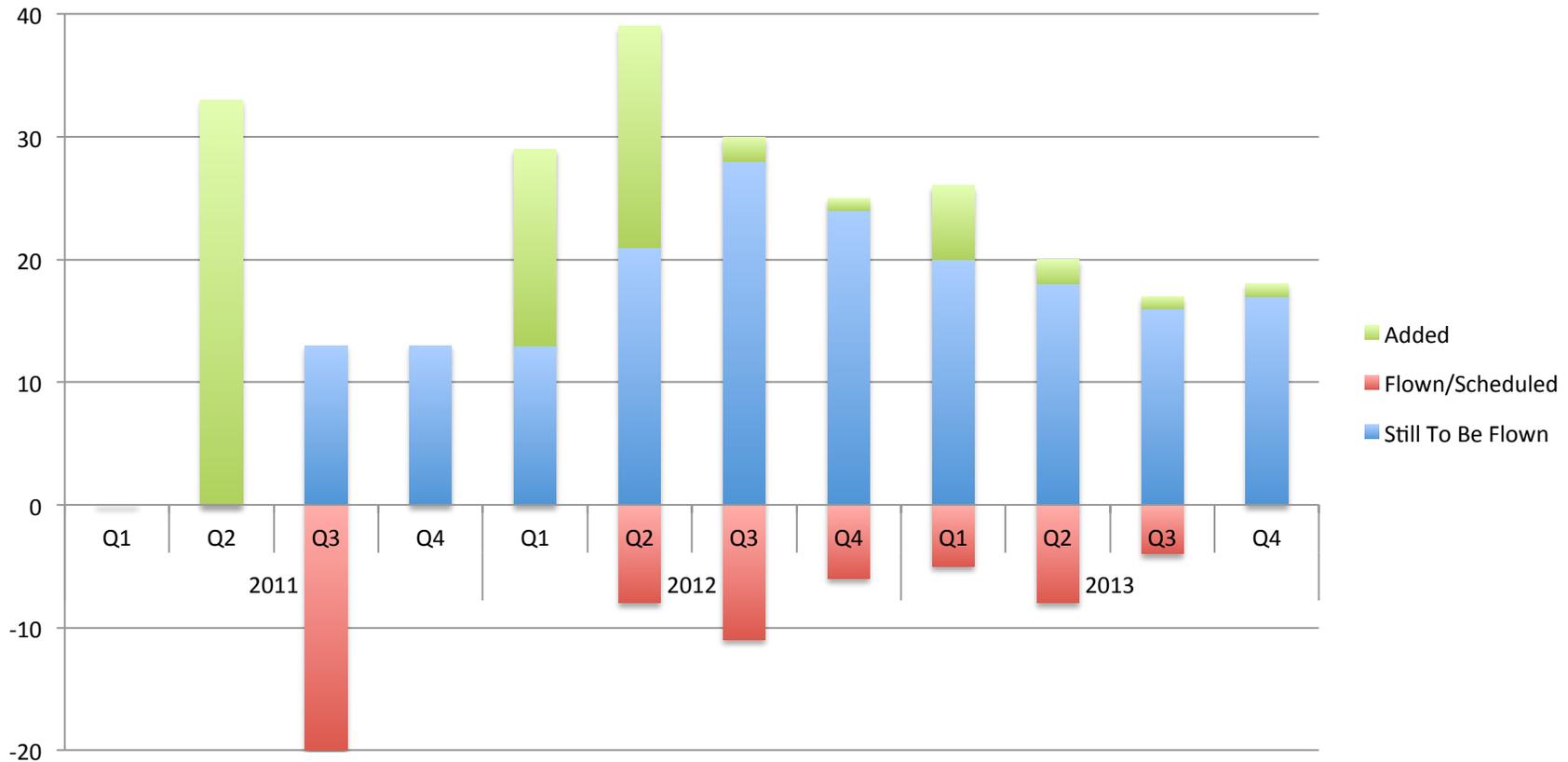
All Payload-Flights/Campaigns Pipeline





The Pipeline – Parabolics

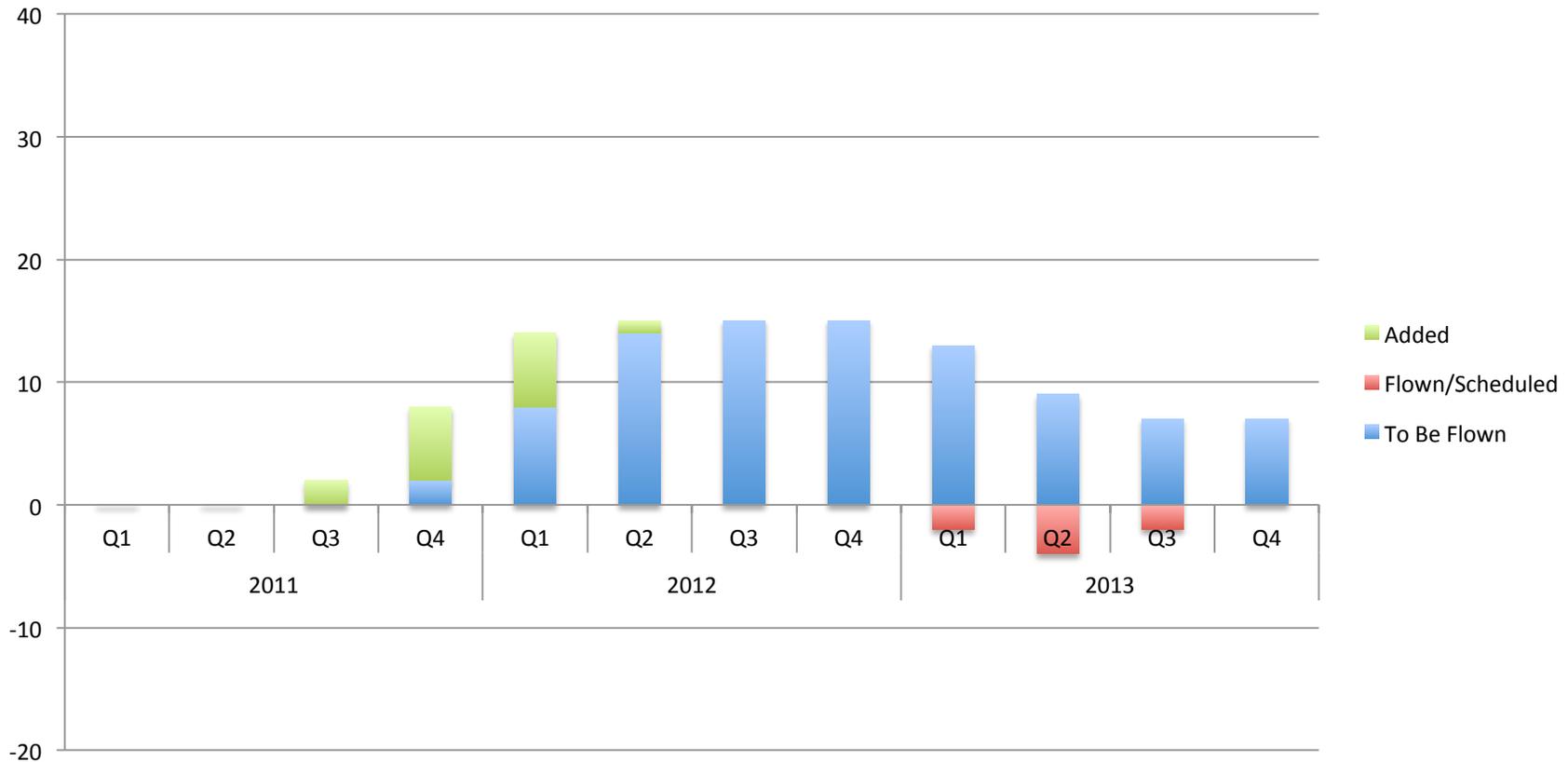
Payloads in Pipeline - Parabolic Aircraft





The Pipeline - Balloons

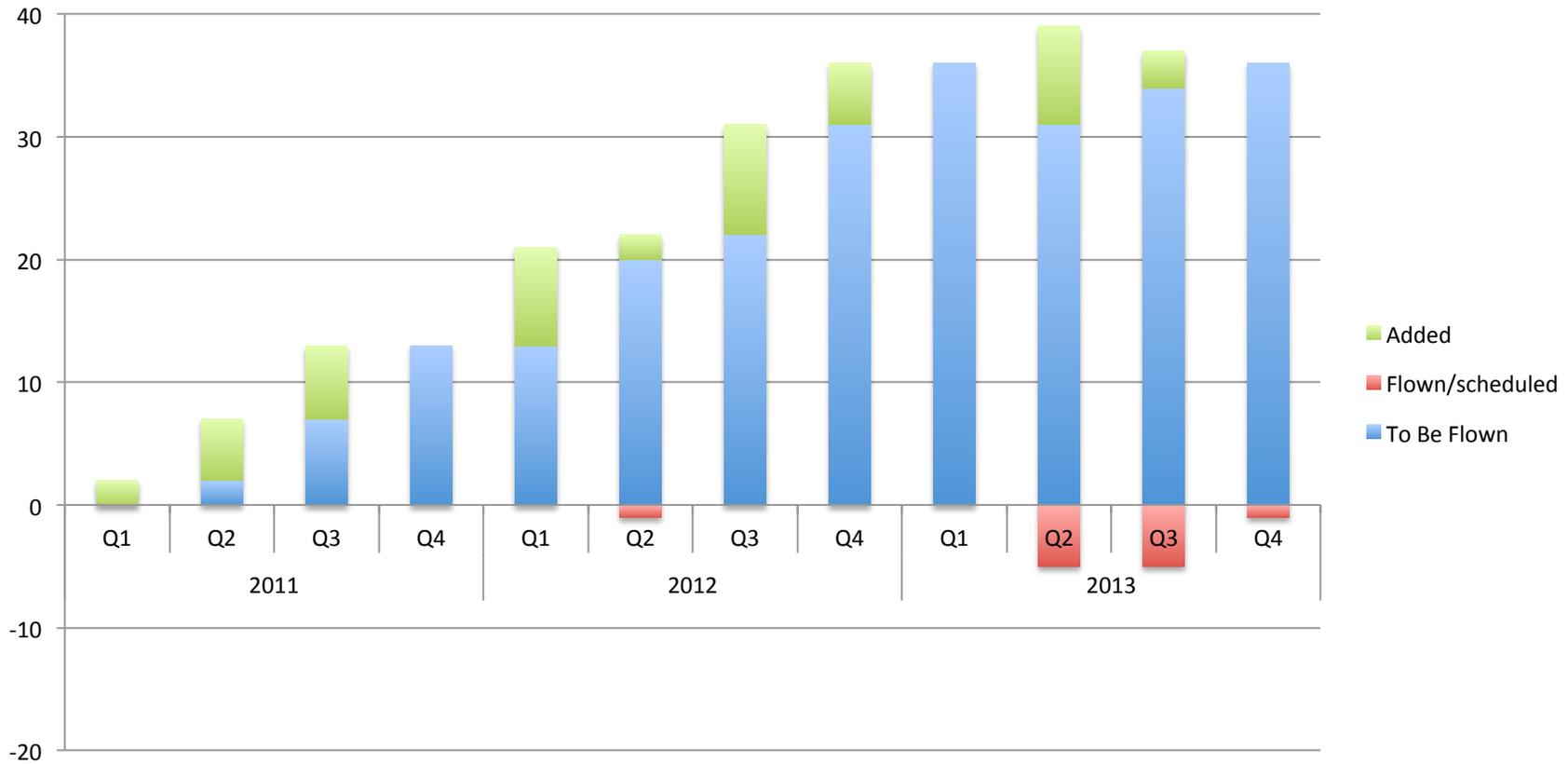
Balloon Payload-Flights Pipeline





The Pipeline - sRLVs

sRLV Payload-Flight Pipeline





Current Commercial Flight Providers



Armadillo Aerospace
STIG



Virgin Galactic
SpaceShipTwo



Masten Space Systems
XA-0.1
"Xaero" / "Xombie"



Whittinghill Aerospace
mCLV-RSR



Near Space Corporation
**High Altitude Balloon and Shuttle
Systems**
NBS, SBS, and HASS



XCOR Aerospace
Lynx



UP Aerospace
SpaceLoft XL



Zero-G Corporation
"G-Force One"

Enable Space Technology flight testing through the acquisition of **Commercial Suborbital Flight Services**



- Interest is fairly constant
- Real demand for Parabolics
- Balloon demand is growing since we have started flights
- Interest in sRLVs is growing
- Main Tech Areas of interest are:
 - TA06-Human Health, Life Support & Habitation Systems
 - TA08-Science Instruments, Observatories & Sensor Systems
 - TA02 - In Space Propulsion
 - TA07-Human Destination Systems
- Demand is growing and exceeds current supply