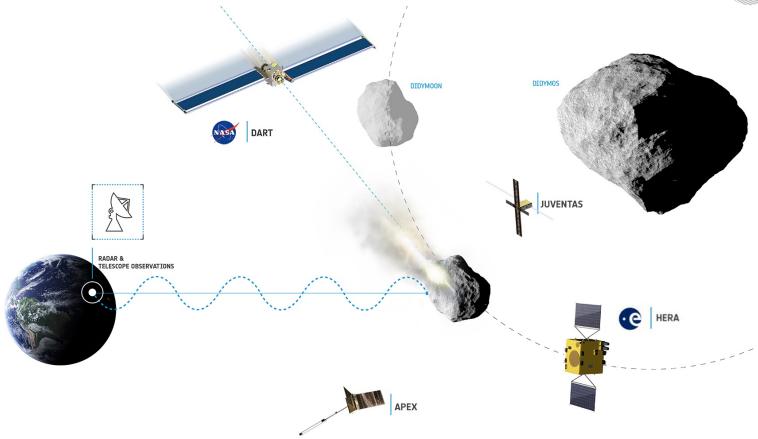


AIDA international collaboration





Space19+ contributions: a big success!







Europe is going to Didymos!

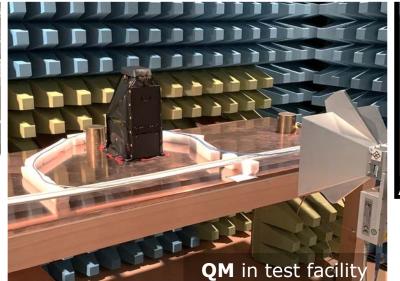
- Covering full industrial contracts
- Launcher and operations to be covered by Space Safety programme "period 2"
- Apex cubesat not fully funded, 6U platform will be provided by Italian industry (open tender in Feb 2020)

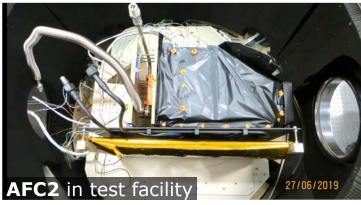
Asteroid Framing Camera EMC testing





AFC1 in storage (under purging)





- Successful full performance and EMC tests on both cameras, test repeated at ESTEC test center confirming results of the MPS facilities
- Queue commanding activity successfully completed on 12 Nov 2019
- MLI (black in picture) procured during 1Q 2020.



























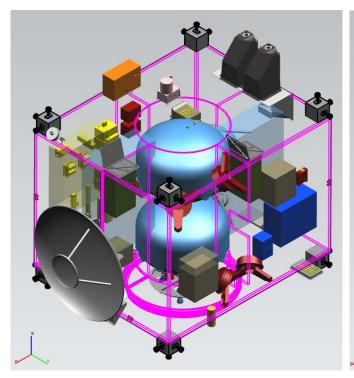


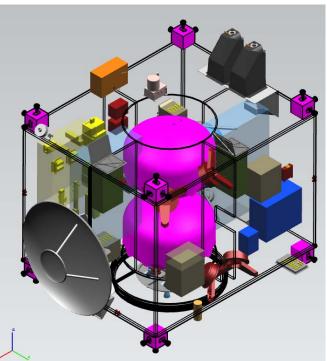




Current spacecraft design







Upcoming milestones

Jan/Feb 2020:

- GNC review with flight dynamics team
- Operations interfaces requirements review with operations team
- System review with tech team
- Paylaod Interfaces finalisation
- Tests plan consolidation
- AIV requirements
- PDR in October 2020 (~KDP-B)































Hera main technology developments status



Item		Company	Current status
ОВС		QS (BE)	EEM (GSTP) → Env Qualification closing in Q1 2020 MMU EQM (GSTP) -> Env Qualification Q2 2020
IPU	Solution 1	GMV (RO)	EBB under development, Feb 2020 E(Q)M planned by Q2 2021
Cubesat Deployer		ISISpace (NL)	EQM ongoing under GSTP environmental testing: mid 2020 FM to start in 3Q 2020
ISL		Tekever (PT)	Antenna modification ongoing EBB under development Upgrade to EM in Q2 2020

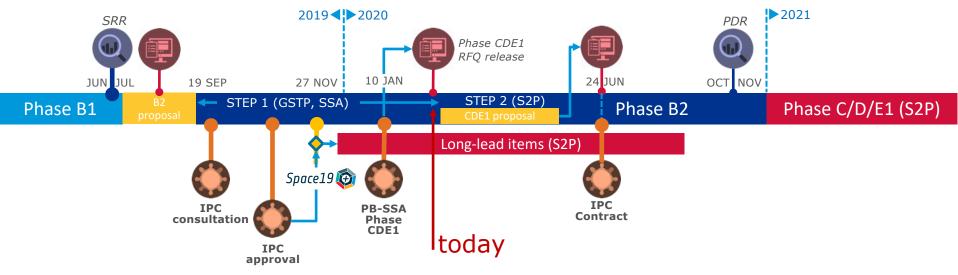
Hera opportunity payload status



Payload		Company	Current status
TIRA		VITO (BE), subcos (BE)	Breadboard completion in 1Q 2020.
PALT		EFACEC (PT), subcos (PT,RO,LV)	EM TRR completed
Juventas Cubesat	K	GomSpace (LU) subcos (DK, FR, RO, CZ)	PDR closed-out on 9 Nov 2019 LFR payload breadboarding ongoing Consolidation phase ongoing until 2Q 2020. Phase CDE RFQ by 1Q 2020 for signature by 2Q 2020
Radioscience		Thale Alenia Space (IT)	Requirements consolidation Long lead items under procurement Frequency allocation in preparation

Fasi di implementazione del progetto





Key milestones (spacecraft):

- Pre-TEB on 30 January 2020
- Intended RFQ release: 17 February 2020
- Proposal delivery: Mar 2020
- Proposal IPC approval: June 2020

Cubesats Key milestones:

- Pre-TEB 24 February 2020
- Intended RFQ release: 6 March 2020
- Proposal delivery: 17 April 2020
- TEB: 15 May





























Hera community (working groups)





ESA project scientist: Michael Küppers =

PI: Patrick Michel II

Dynamics

Chairs: Menios Tsiganis Adriano Campo Bagatin Sébastien Charnoz

Advisory group: S. Green, A. Fitzsimmons

Close-proximity operations

Chairs: Ozgur Karatekin Naomi Murdoch Stephan Ulamec Carsten Güttler

Data Analysis Exploitation Interpretation

Chairs: Alain Hérique II Jean-Baptiste Vincent Paolo Tortora II Holger Sierks

Ground-based observations

Chairs: Petr Pravec Julia de Leon Benoît Carry Colin Snodgrass



Common AIDA (DART +Hera) Working groups



























