

Clean Space

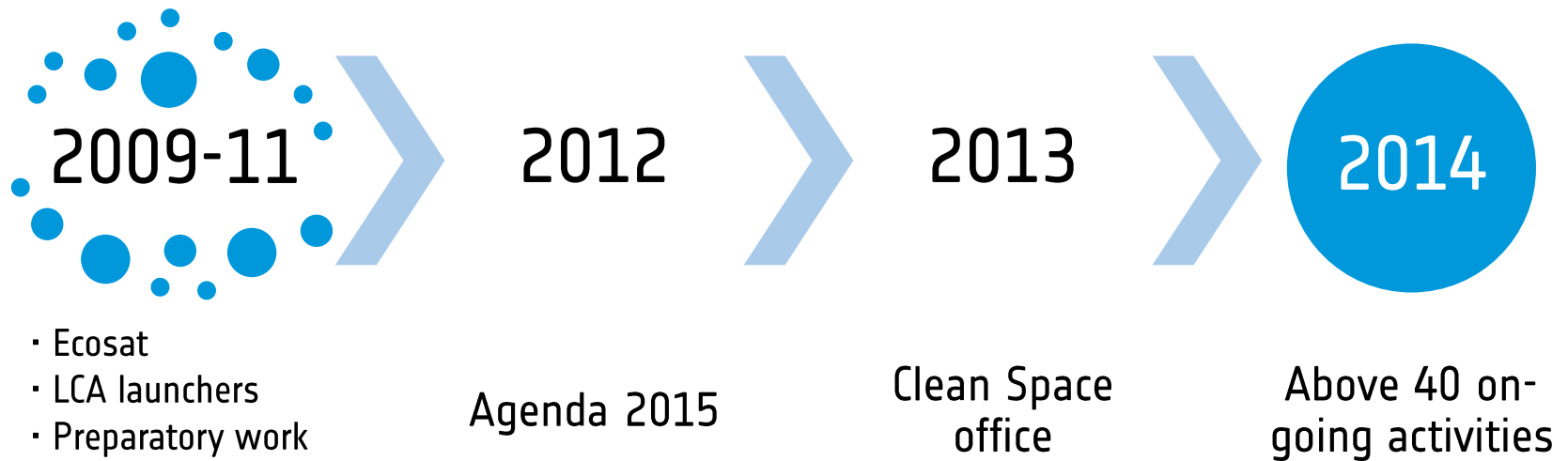
**Guaranteeing the future of space
activities by protecting the environment**



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*Guaranteeing the future of space activities by
protecting the environment*

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Environmental concerns

- New legislations (REACH, RoHS, LOS)
- Competitive advantage due to green technologies
- Pressure on the space industry



Concerns on the **sustainability** of the exploitation of space

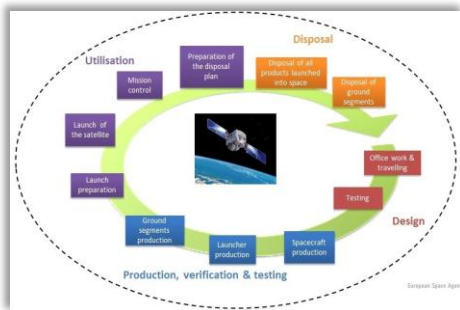
- Collision risks due to space debris
- News headlines due to space objects re-entering



ESA, with the Clean Space initiative, will give a pro-active answer to the environmental challenges both on ground and in space



Action is necessary to transform threats into opportunities



Branch 1

Eco-design

3 – 5 M€

Branch 4

Technologies for Active Debris Removal

15 – 20 M€



e.deorbit

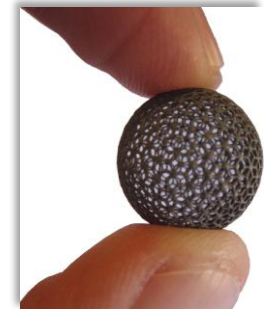
L. Innocenti | 17/03/2015 | Slide 5

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Green technologies



Space Debris



Branch 2

Green technologies

10 – 15 M€

Branch 3

Technologies to support Debris Mitigation

15 – 20 M€



CleanSat

technologies for space debris mitigation

Thank you for your attention ! 😊

For further information, follow us on

Twitter: @ESAcleanSpace

The CleanSpace website: esa.int/cleanSpace

Linkedin www.linkedin.com/company/esa-clean-space/

Or send us an email cleanspace@esa.int