



Webinar #2

Space for Tourism

Mina Syriou | European Space Agency

Guest Speakers:

Mia Jafari | Intelak Hub, Emirates Group Paras Loomba | Global Himalayan Expedition Vassiliki Mavrokefalou | Expedia Group







Webinar's host



Mina Syriou
Business Applications & Partnerships
ESA Business Applications — Space Solutions
Asimina.Syriou@esa.int

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Agenda

- 1. Introduction
- 2. ESA Space Solutions
- 3. 'Space for tourism' call
- 4. Our guest speakers
- 5. How to Apply
- 6. Q&A





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ESA's 4 Main Pillars

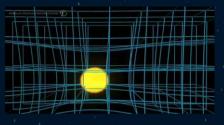


SPACE SOLUTIONS

Science and Exploration

Enabling and Support

Safety and Security





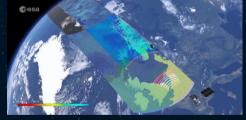






























































ESA SPACE SOLUTIONS

eesa

The largest space innovation network in the world

- The go-to place for great business involving space to improve everyday life.
- Supporting European start-ups and SMEs to develop businesses using space technology and data.
- Offering funding, business and technical support to help to generate successful business and create jobs.







ESA SPACE SOLUTIONS offers



Zero-equity funding (from €50k to €2M+ per activity)



A personalised ESA consultant



Technical support and commercial guidance



Tailored project management support



Access to our international network of ESA and partners



Access to our network of investors



Credibility of the ESA brand

Project web pages: business.esa.int/projects



Space tech, users & markets



SPACE SOLUTIONS

Space Technology...



Earth Observation



Satellite Navigation



Satellite Communication



Spaceflight Technologies



Space Weather

... coupled with...

Big Data analytics

VR/AR

Artificial Intelligence

Mega-constellations

Crowdsourcing

IoT

Cybersecurity

Blockchain

5G (https://artes.esa.int/esa-5g6g-hub)

... to serve Users & Market



Maritime



Agriculture



Environment



Healthcare



Financial



Transport



Education



Media



Energy



Aviation

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SPACE SOLUTIONS

SPACE FOR TOURISM

Feasibility Study & Demonstration Project

SUBMIT YOUR INNOVATION

Downloads

- ESA Space for Tourism webinar 26.01.2022 updated v2
- APQ_SpaceforTourism_ProjectName
- Scope Space for Tourism.pdf

https://business.esa.int/funding/intended-tender/space-for-tourism

Key focus areas

- Use of digital and connectivity solutions to help the sector embrace new business models required in post-COVID 19
 - Unmanned transport (automation & robots)
 - Rural tourism
 - Everywhere connectivity to travellers
 - Active engagement with rural communities
- 2. Seamless travel
- 3. Safe travel
- 4. Guide investments and measuring impact
- 5. Drive Sustainable Tourism Development



The value of space



Satellite Earth Observation (SatEO) - Monitoring and planning of infrastructure - buildings, roads, parking lots, airports. Monitoring of big events for logistics planning and monitoring - sports, festivals, big trade fairs (no monitoring of people). Identification of open air "safe" and "unsafe" areas - e.g. parks, squares, big markets, touristic spaces with crowds.



Global Navigation Satellite Systems (GNSS) - SatNav can be used track and trace tourists and provide information to search and rescue teams. Enable visitor flow-monitoring and location-based services to geolocalise points of interest in the tourist maps.



Satellite Communication (SatCom) - SatCom is essential to ensure communications whenever the terrestrial communications are absent or not reliable and to support digital solutions



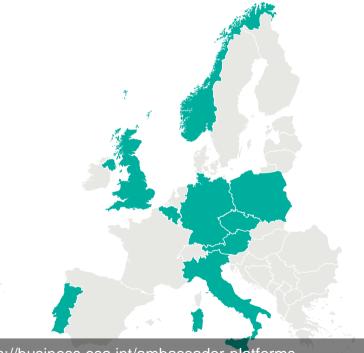
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A tool at your disposal — the Ambassador Network

- Ambassadors are present in 9 countries
- They are your local interface for your ESA Space Solutions questions
- They can advise you on:
 - Preparation of the Activity Pitch Questionnaire
 - o Give you an overview of ESA Space Solutions funding opportunities





https://business.esa.int/ambassador-platforms

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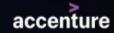
Mia Jafari

Interlak Hub & Programmes Manager, Emirates Group

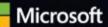














CHAMO



Space For Tourism

Mia Jafari



About Intelak Hub

Get ready to co-create the aviation, travel and tourism landscape. Intelak gives early and late stage start-ups access to programmes, mentorship from leading organisations and a community of like-minded individuals to launch, grow and scale their start-up. Be part of an ecosystem dedicated to bringing the latest aviation, travel and tourism solutions to the region.





About Accelerator Cohort 6

Scales mature stage start-ups who are seeking to launch their venture in Dubai through a digital programme consisting of bespoke workshops, mentoring and facilitated collaborations with Intelak's principal and ecosystem partners.

The region's only accelerator programme that takes viable business solutions to the next level by offering start-ups growth and scaling opportunities, along with intimate access to principal partner mentoring, investors, and alumni and networking platform. The selected start-ups will have the opportunity to develop a city-wide implementation of their business solutions and exclusive visibility and pitching opportunities at Expo 2020 & GITEX Future Stars — the region's premier technology event.



Intelak



The virtual programme allows maximum agility and facilitates global participation.



Capitalise on the interconnectedness of the global aviation and tourism industry whilst using Dubai as the proof-of-concept platform for your start-up.



Leverage a digital alumni network of past participants for additional support, collaboration and potential business opportunities.



Gain curated access to Intelak's Investor Breakfasts, Founder Summits, Industry Panels and Legal and Licensing Clinics to grow your startup in Dubai.



Prime exhibition space and pitch opportunity at Expo 2020 and GITEX Future Stars.



Intelak Hub Start-ups



















































































Overview



Closing date 30th September



10 start ups will be selected



Each start up wins 10,000 AED







You have an innovative tech solution in the aviation, travel or tourism space that meets one of Intelak's challenges



Your business is a growth stage start-up or scale-up.



You are looking to expand into Dubai and implement your product or service in the city, or you are looking to have.



Dubai as one of your proof of concept cities.



Your product or service is favourable for the business environment in Dubai from a technical and legal standpoint.



Your business has at least 2 full-time team members.



Challenges



Operational Excellence







Commercial Innovation



Customer Experience







Sustainability



Wild Card





About Intelak Accelerator Challenges



Commercial Innovation:

How might we streamline booking, check-in, check-out, and all other transactions while staying in Dubai as a visitor in order to create a seamless visitor experience and to reduce transaction times and visitor/business friction?



Customer Experience:

How might we ensure that onboard meal quality conforms to the standards of a high-quality culinary experience for the visitors coming to or leaving Dubai so that they start/end their Dubai experience on a high note?



About Intelak Accelerator Challenges



Operational Excellence:

How might we empower customer facing personnel with relevant and easy to understand information, so that they can delight the visitors in Dubai with contextual and actionable information?



Sustainability:

How might we encourage and incentivize the eco-conscious traveler so that we contribute to initiatives such as Dubai CAN?

How might we introduce new innovative and digital solutions that will drive environmental practices in the tourism industry?



About Intelak Accelerator Challenges



Wild Card:

How might we contribute to the enhancements of the Dubai's visitor experience? Leverage the latest technologies for the aviation, travel & tourism sectors.



How to Apply?



Scan the QR code or visit intelak.com to apply.

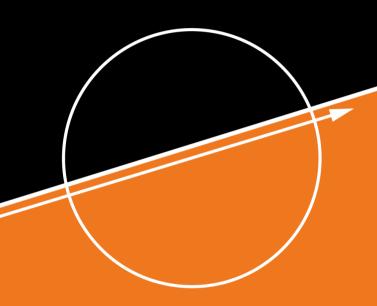




Thank You



Scan the QR code or visit intelak.com to apply.







Paras Loomba

Founder, Global Himalayan Expedition (GHE)









800 million people – STILL in DARKNESS





Current Rural Tourism Problem



SPACE SOLUTIONS



Lack of Basic Facilities



Results in



Limited New Rural Destinations

"Migration of Tribes

& Lost Culture"







UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS 2030



















Clean Energy

GHE

Livelihood

Digital Education

167
Villages
Electrified

100,000 Lives Impacted

35700 Tons CO2 Offset







SOLAR POWERED HEALTH CENTRES

- Creating Solar Powered Health Centers with better medical equipments'
- Provide good quality Health Care to the Communities
- Training of the local medical staff on the installed appliances
- Developing a sustainability model for smooth operations of medical centres





COMPONENTS OF A HEALTH CENTRE







Providing the Basic Health Care Infrastructure required at Health Care Centre

SOLAR POWERED HEALTH CENTRE IN LADAKH (CHANGTHANG)







PROPOSED SOLUTIONS: CLEAN COOKSTOVE





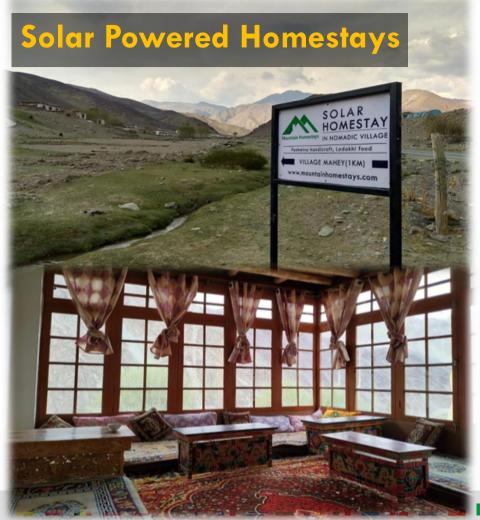
- 80% reduction in smoke & toxic emissions
- 50% reduced cooking time
- 60% reduced fuel requirement
- 50% reduction in fuel costs
- 40% improvement in cooking efficiency

60% reduction in CO2 and 40% reduction of Black Carbon







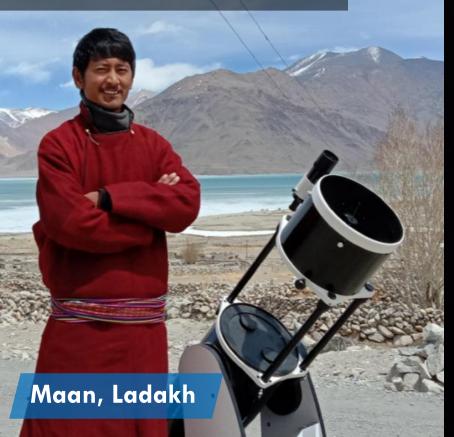








ASTROSTAYS









Post COVID Challenges



SPACE SOLUTIONS



Post COVID 19

"Sustainable Tourism will Increase"

- In a post COVID world, people will avoid long haul travel and prefer to travel domestic
- Additionally, there is a strong inclination to visit offbeat destinations and stay in homestays



Lack of Infrastructure

"No Basic Facilities"

- The village homestays do not have access to basic health care and are most vulnerable
- There are also no basic information and Monitoring facilities that are available at these remote locations



Lost Opportunity "Zero income"

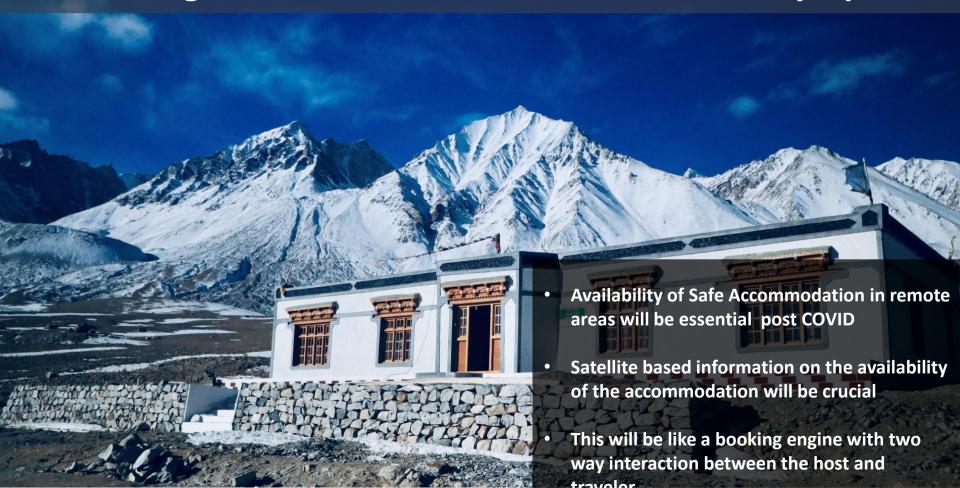
- Travelers will demand basic facilities at accommodations & safety net at these destinations
- A poor setup will lead to **low** confidence translating into zero revenues for these communities

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Challenge 1 – Destination Natural Resource Monitoring



Challenge 2 – Traveler Accommodation & Safety Updates



Challenge 3 – Portable GPS based Health Monitoring







Vassiliki Mavrokefalou

Director - Market Management Lodging for Greece, Cyprus, Bulgaria and East Adriatic, Expedia Group

expedia group







Expedia Group

Power global travel for everyone, everywhere

Vasiliki Mavrokefalou

Director Market Management Lodging







































CheapTickets







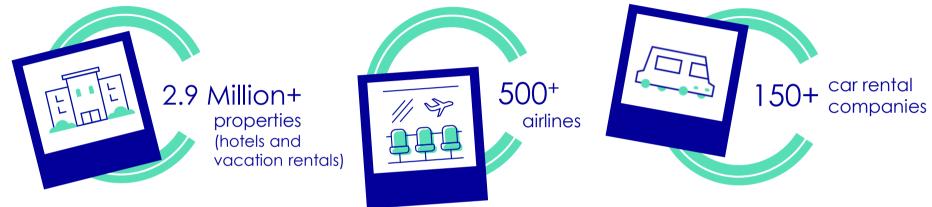




Expedia Group is a family of the world's most-loved travel brands

You're in good company

when you partner with Expedia Group







In 2019









Property gross bookings

Flight tickets sold

Car gross bookings

Cruise gross bookings

\$99.6B

\$108M

\$4.5B

\$1B

across various brands of Expedia Group across the Expedia Cruises network

Before going anywhere, people first travel to Expedia Group



1.5 billion monthly site page views

20+ globally relevant brands

35 languages 112
million
monthly unique
visitors

travel sites

30
currencies

200+ countries travel sites

70+

100+ million loyalty members

Travel is back ...

...and we are changing our approach to create successful experiences for travelers and more value for our partners





Our key focus...

6

Remove friction from our traveler and partner journey and save them time

Help travelers make smart booking decisions and feel safe through technology

Leverage our Virtual Agent solution with existing skills or easily create your own skills to suit your business.

60%+
Travelers are selfservicing
in chat today

40%+
Saved in variable agent costs by enabling self-service

Expedia for **TD Bank**



Hawaiian Airlines

Virtual Agent

Change booking

et refund status Do something else

Type a message..

Hi, I'm your Virtual Agent 49 How can I

I can help you change your booking, redeem airline credit, and more. What would you like to do?



Egencia





Designing technology to deliver great personalized experiences across every product and every phase of the journey

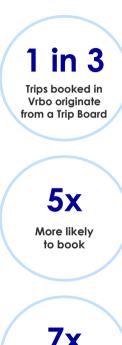




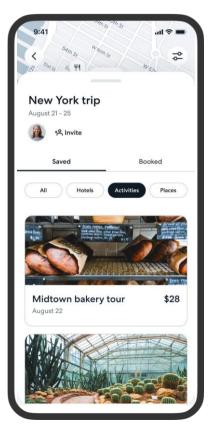
Live for vacation rentals globally, coming soon for hotels and activities!

One place where travelers can plan, collaborate, and truly enjoy their whole trip – simplifying how travelers make their trip decisions

- ✓ Create a Trip Board
- Invite people from your group
- Add favorite properties
- Rate for preferences
- Get and add comments
- ✓ And more...







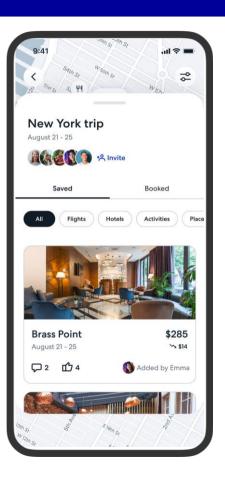
Smart shopping

Live for hotels globally, soon for flights!

Organized room rates attributes and benefits for easier comparison, transparency and traveler control over the booking decision

- Organized attributes and benefits
- Spot pricing differences
- ✓ Easier comparison
- Personalized recommendations
- Better matching selection

By better matching customers to what they want, we are seeing customers shift to premium products





Live for flights in US (app), soon for hotels!

The right information at travelers' fingertips to give them the confidence to know when to buy

- ✓ Adds context for what may happen in the future
- Maps past and future trends predictions
- Sends alerts to keep travelers informed



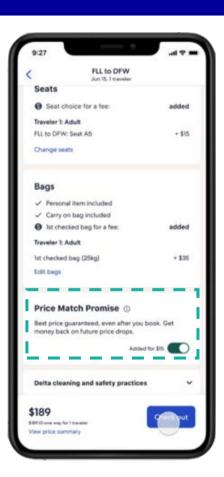




Price Match Promise

Live for flights in the US

Travelers can purchase Price
Match Promise with their flight
and Expedia Group refund the
price difference if their flight
price on our site decreases prior
to the travel date







with Delegations

Applications rounds

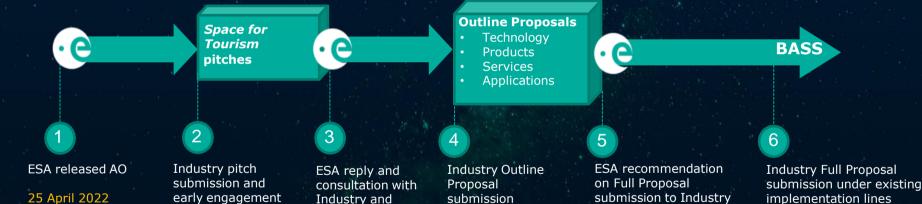
Delegations for

orientation

1st batch lasting from 9 May 2022 to 1 July 2022



The Call closes on **31 March 2023**Applicants can apply **ANYTIME** up until the end of March 2023. However, we encourage companies to apply as soon as possible



https://business.esa.int/funding/space-for-tourism

Letter of Support from Relevant Delegate(s) shall

be provided with Full

Proposal



How to Apply

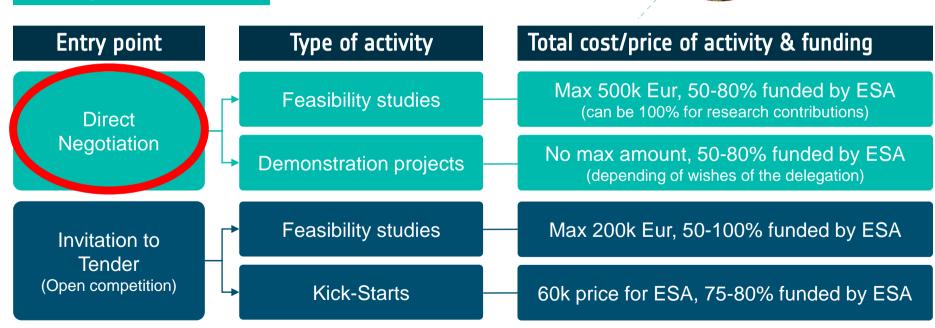
- 1. Register your team on esa star Registration (https://esastar-emr.sso.esa.int) today! If your team is made up of more than one company or organisation, each member will need to register
- 2. Scroll down to the 'Downloads' section of Space for Tourism webpage to download all of the official documents. Official documents include a 'Pitch' (APQ) Template' and a document explaining the Scope of this opportunity.
- 3. Prepare your Pitch and submit it ASAP → https://business.esa.int/apq-submit
 The name of the Pitch file must be APQ_SpaceforTourism_Projectname (the words SpaceforTourism shall not be removed)
- 4. ESA will evaluate your Pitch. Teams whose Pitches are positively evaluated will be invited to prepare an Outline Proposal and then a Full Proposal. Teams must obtain a Letter of Authorisation from their respective National Delegation before submitting a Full Proposal. Contact details of all National Delegates can be found here: https://business.esa.int/national-delegations

https://business.esa.int/funding/intended-tender/space-for-tourism





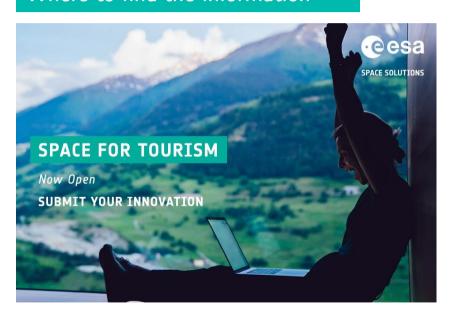
Funding schemes BASS



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Where to find the information



business.esa.int

Thank you! Q&A





https://business.esa.int/funding/intended-tender/space-for-tourism