

### IAP PROGRAMME: MODUS OPERANDI

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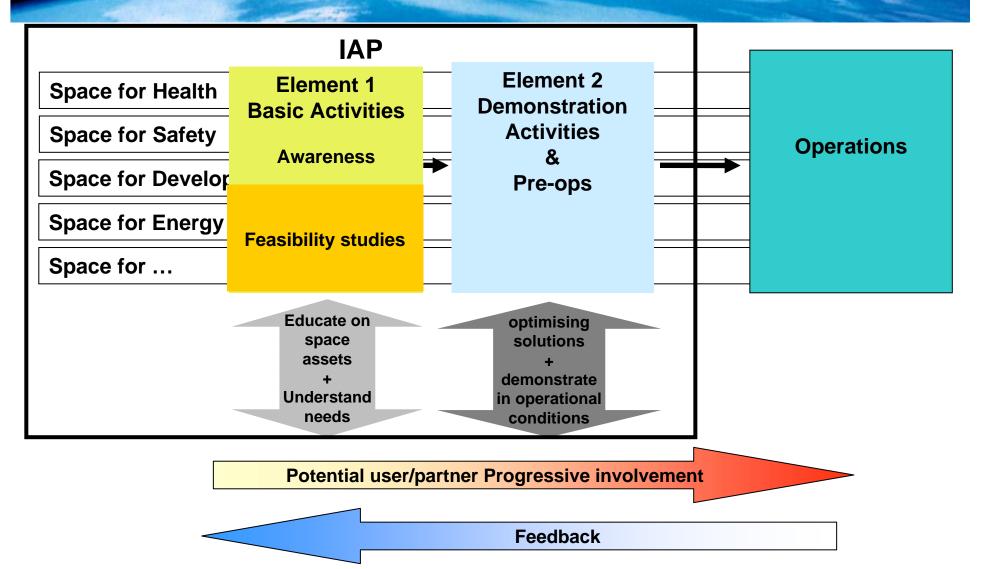


Exploit systematically the extended use of space capacity and capability through the development, in close partnership with end-users, of integrated applications which can demonstrate a potential for user driven sustainable services

> "Connecting expert Communities & Combining Technologies"



### Programme Structure

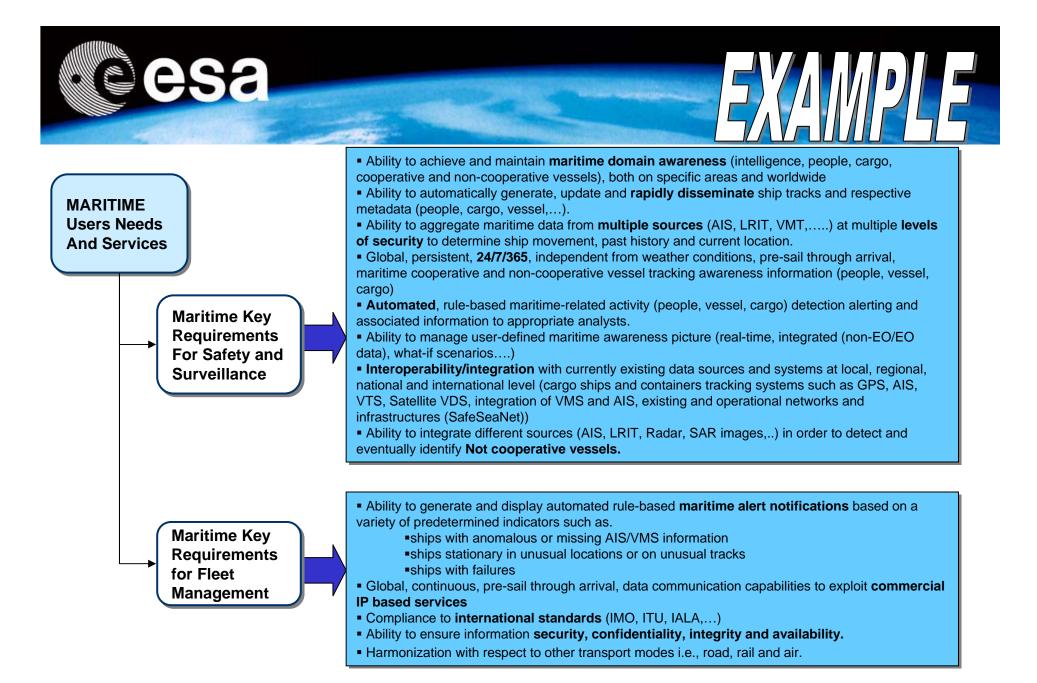




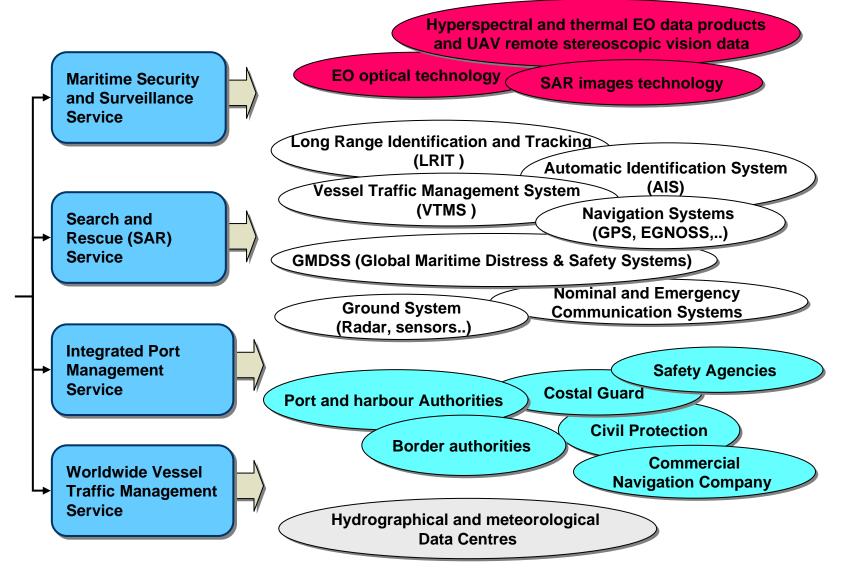
### Awareness as basic element to attract stakeholders/users



- Identifying User Communities and their Needs
- Identifying Space Capabilities
- Informing and Educating Potential Users
- Influencing Decision Makers and Facilitating Cooperation
- Fostering and Organizing User Demand (Capacity Building)
- Paving the way for partnership agreements







# Vision for realizing the goals

- Prerequisite to achieving a successful IAP programme is a successful awareness programme!
- Realizing the goals for IAP awareness will be based on:
  - 1. Expert opinion from the IAP Advisory Committee (IAPAC)
  - 2. A web portal gateway to IAP
  - 3. A <u>network of ambassador platforms</u> across Europe
  - 4. Forums, thematic Workshops etc



- The IAPAC will provide independent cross-disciplinary and multidimensional expert opinions and justified recommendations regarding
  - Which broad areas of interest have the greatest potential for the development of IAP
  - How this potential may best be realised
  - What are the perspectives for end-users
  - How best to influence relevant key Decision Makers, and who to influence?
- The direction of the IAP Awareness programme and the resulting thematic roadmap will thus be based on the advice of the IAPAC
- The IAPAC will thus also provide legitimacy for the path taken by IAP and more in general for all the TIA application activities



# 2) IAP / ARTES 3-4 Web Portal "Gateway"

- A web portal serves as a "gateway" to *Integrated Applications*.
- The goals of this portal will be:
  - Serve as a 'notice board' for IAP calls, ITTs, news stories, events, workshops
  - Repository of documentation and information / education tool for users
  - Promotional tool for IAP activities (workplan, feasibility studies, demo projects, etc.)
  - Meeting point for special interest groups and network of ambassador platforms
  - Additional services, such as communications and document exchange tool (e.g. eRoom)
  - A central single entry point (of contact) for all IAP



- A practical way to reach out across Europe is to organise a network of IAP representational platforms across Europe
  - These platforms would most practically be based in <u>existing institutions</u> with <u>geographic</u> or <u>thematic</u> expertise and responsibilities.
- Geographic/ regional representation
  - The platforms could represent local knowledge (e.g. Eastern- Central-Europe, Scandinavia, etc.) experience and contacts with key decision makers, industry and institutions;
  - A first candidate for the AP geographic platform is ESPI European Space Policy Institute with a focus on Eastern and central Europe.



#### Thematic domain representation

- These platforms could represent a <u>particular theme or domain</u>, having experience in that domain and/ or being located at or near a European centre specialized in that domain.
- A first candidate for thematic platform is the Norwegian Center for Telemedicine (NST) in Tromso (Norway) for eHealth in inaccessible regions;
- Others are starting in UK (Energy, Transport, etc) and France (AP for for Environmental Risks & Hazards in the Mediterranean Region (by Pôle Risques);
- Spain, Italy and Germany on the way.....



### Feasibility activities, as basic element to prove the benefits of space services to new user groups



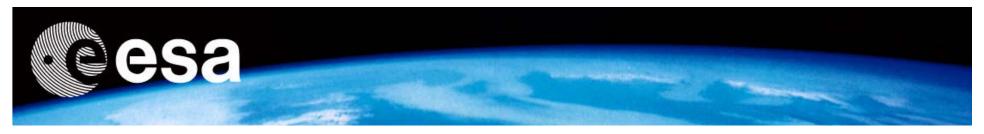
- Development cycle in preparation of sustainable services

   (Awareness => Feasibility Study => Demo Project => Sustainable Service)
- two types of feasibility study activities:
- a) Fully funded activities (100%) initiated by ESA in coordination with user partner as open competitive ITTs
  - => Workplan
- b) Co-funded activities (up to 50%) initiated by industry and their partners in direct negotiation

=> Open Call for Proposal (AO 6124) and then injected in the Workplan or its relevant addendum



- Feasibility Studies activities are generated from:
  - awareness activities
  - contacts with user communities
  - discussions with industry
- **Demo Project Activities** are generated from:
  - feasibility studies activities
  - direct interaction with user communities
  - and also discussion with industry
- DEMO PROJECT ARE ALWAYS COFUNDED UP TO 50% BY IAP
- Single majority approval by JCB for each activity (member states may decide not to participate to specific activities)
- Proposals to be accompanied by letter of support of National Delegations (contact points made available in handbook or ITT)

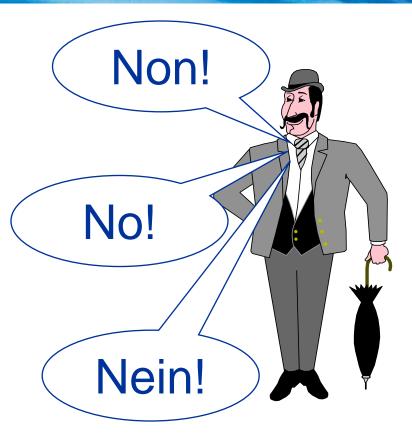


#### **Key selection criteria for IAP activities:**

- confirmation of stakeholder interest;
- user involvement;
- identification of the added value of integrated solution;
- at least two different space assets (EO, Satcom, Satnav, HSF, etc);
- definition of system / service concept (incl. interfaces, interoperability);
- assessment of technical and non-technical risks;
- economic / non-economic viability / business case;
- specifically for Feasibility Studies:
- potential for a follow-on demo project activity;
- willingness of user partner to engage also in demo project.



Need to support the generation of standards and regulations in order to facilitate the transition of these applications into the operational world





# ESA intends to promote through the IAP programme mechanism user's involvement









