# T4MOD: Telemedicine for the French, German, Italian and Spanish Ministries of Defence

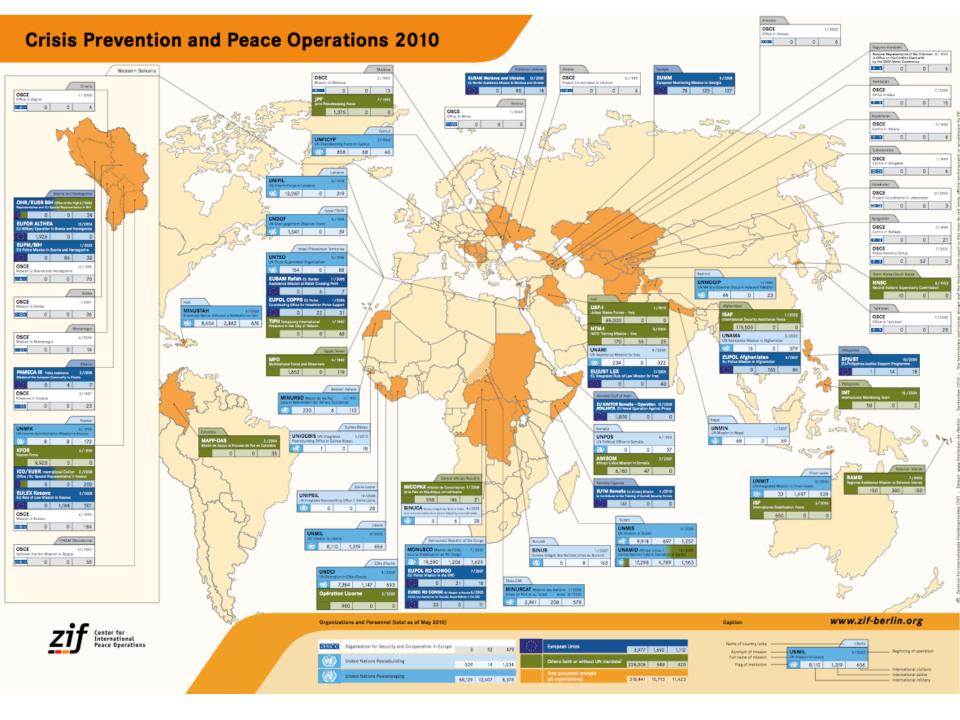
ARTES Applications Workshop
5th-6th April 2011



# Clear User Needs...

Why do we need to bring expertise to medical field operations?





## German MoD scenario: in case of a Neurotrauma - who will perform the operation onsite?





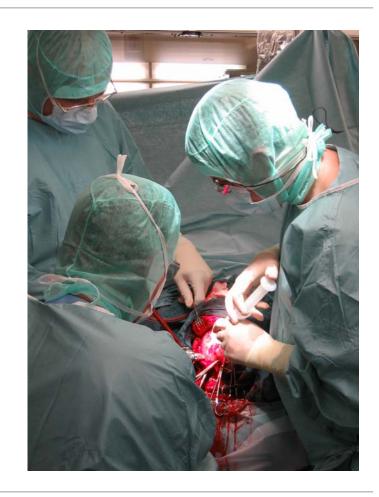
#### A partial solution: Neurotrauma Course – since 1999





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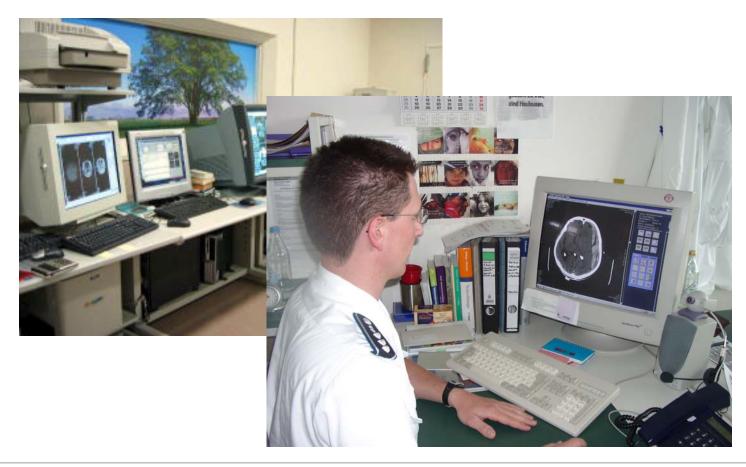




Dept. of Neurosurgery, Federal Armed Forces Hospital, Ulm

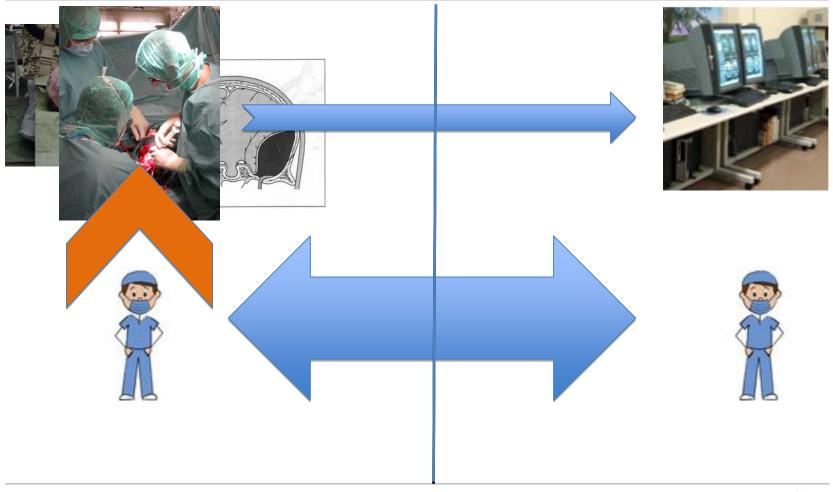


## A complementary solution: Telemedicine



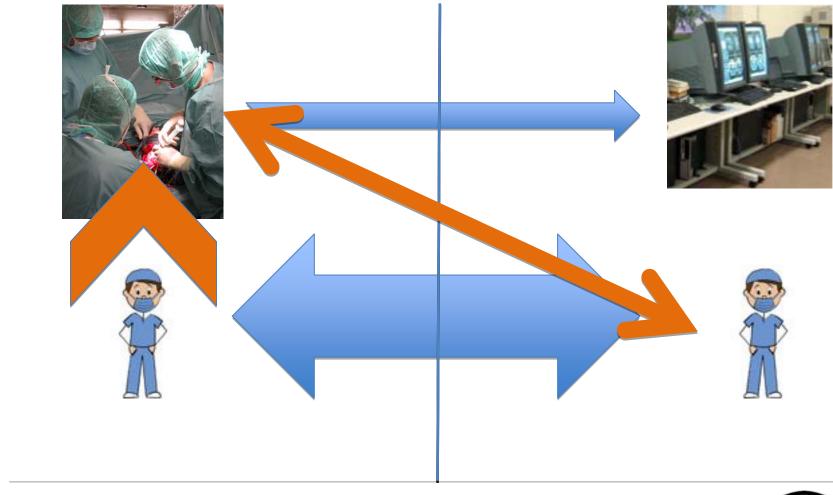


#### Telemedicine

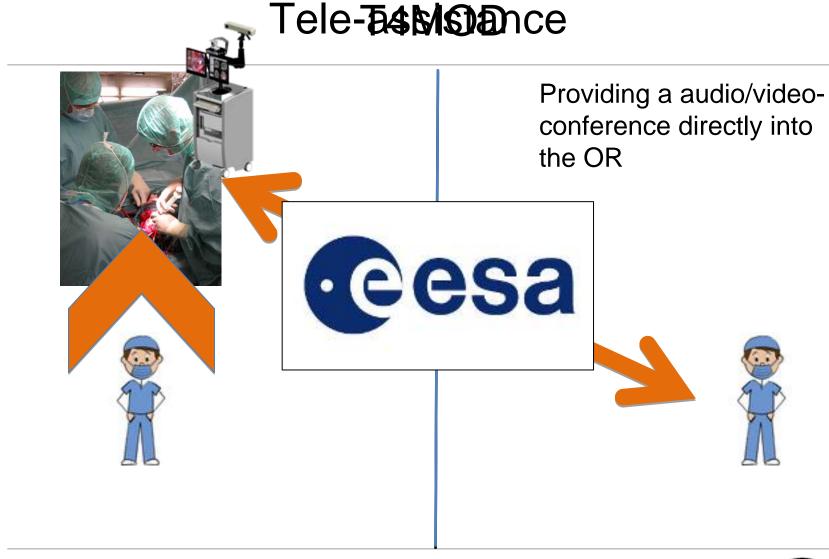




#### The future of Telemedicine









#### **T4MOD Project Objectives**

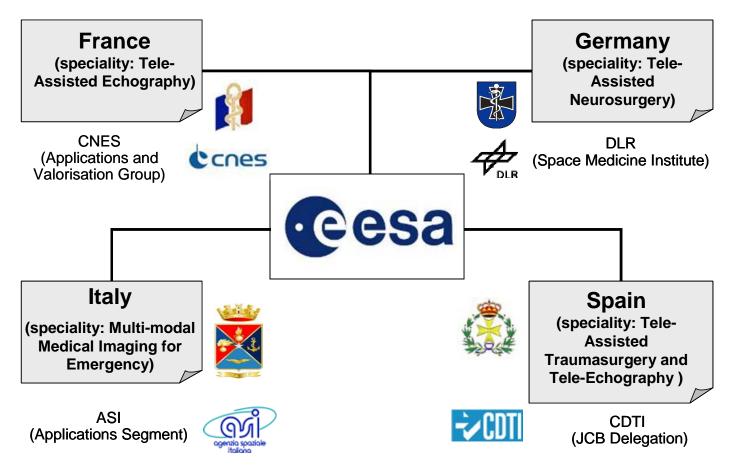


- 1. Provide a solution for the benefit of military personnel deployed abroad in emergency relief, humanitarian crises and peace keeping missions;
- 2. Leverage collaboration among public institutions within their national contexts and among the four representative member states;
- 3. Enable medical specialists to assist the remote site in case of a medical emergency or during a planned consult, when required;
- Provide an easy-to-use solution able to be operated by medical and nonmedical personnel;
- 5. Provide a reliable cost effective solution requiring minimal training, installation, maintenance and running costs;
- 6. Demonstrate the adequacy of the solution (system and services) with the MoD Health Services in their operational scenarios (characterised by geographical isolation, harsh environment and lack of local medical specialists).





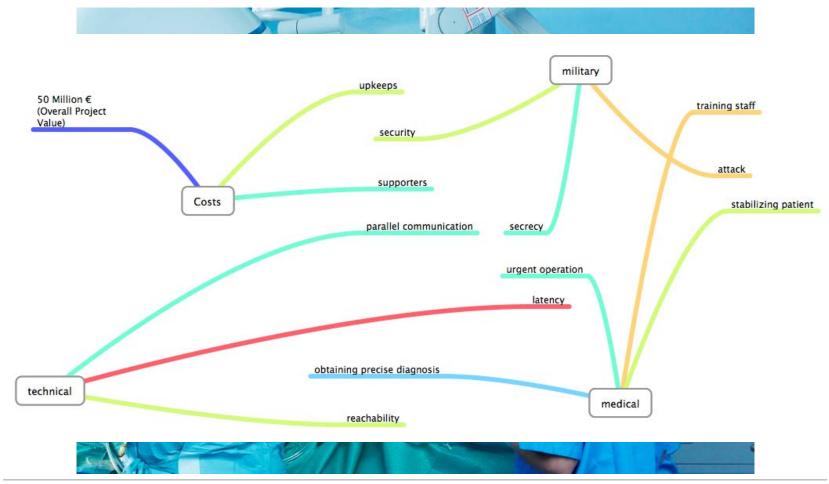
#### **Participants**







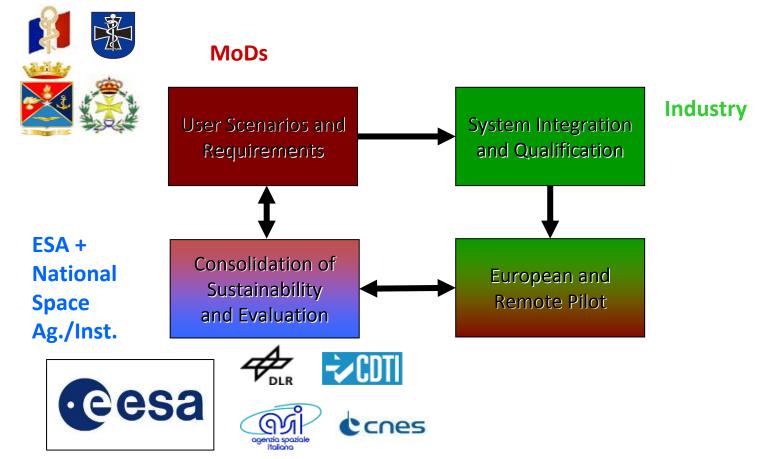
### Challenges







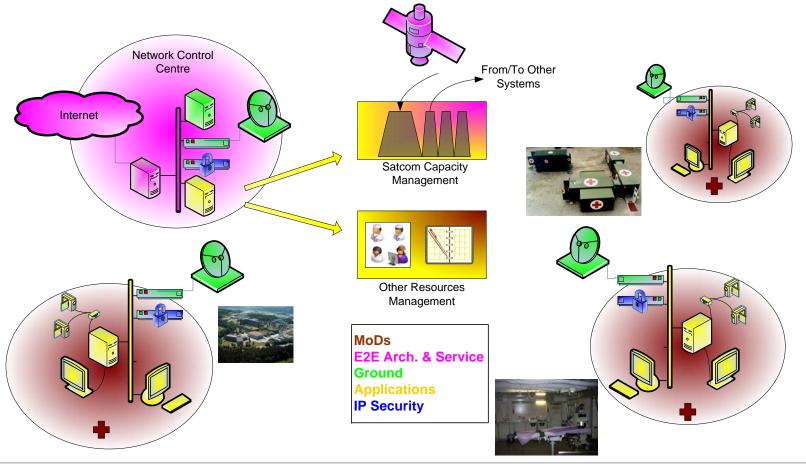
#### High Level Elements







#### **Key Elements**

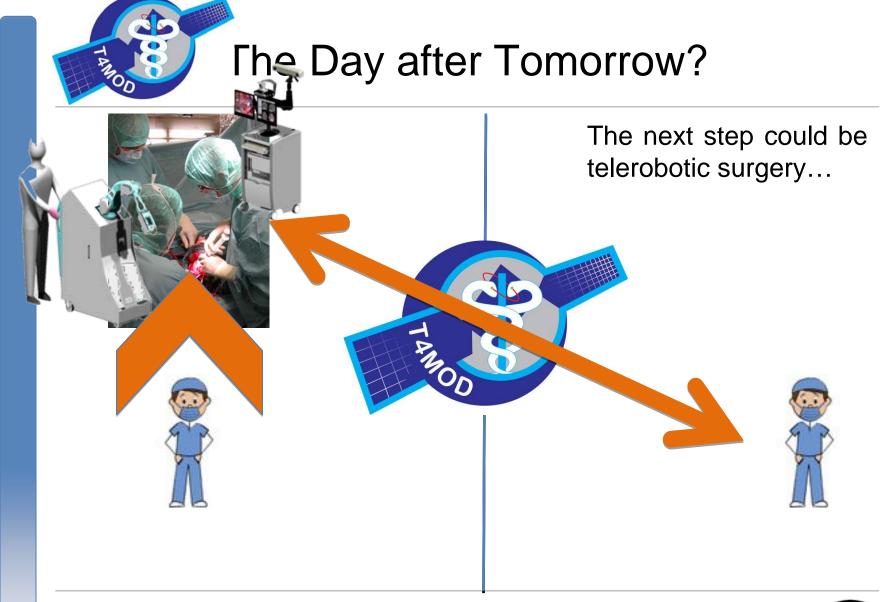




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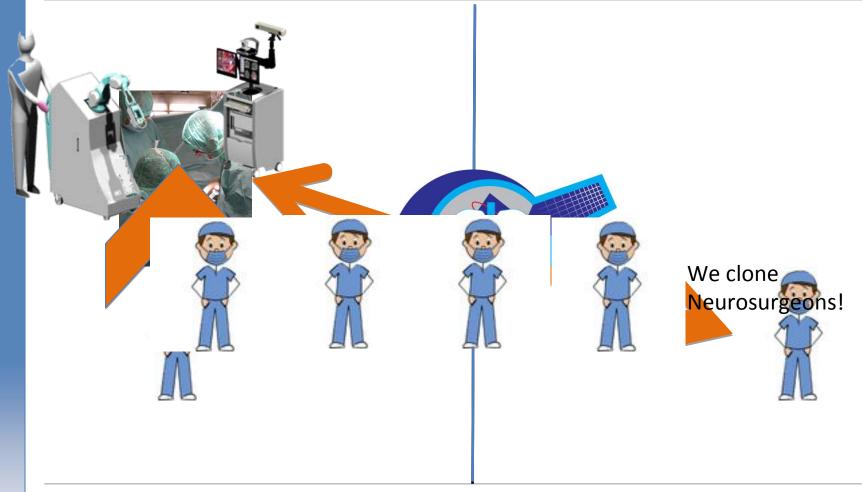
## 2 Space Assets: interoperable IP overlay satellite network + Manned Spaceflight technology (Robotized Tele-Echography)







#### The Day after "the day after tomorrow"?





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## Thank you!



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