

FINANCIAL MODELS & RESOURCES

KEYNOTE

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- 1. ABOUT
- 2. INTERNATIONAL CONTEXT
- 3. CLASSIC & ALTERNATIVE FUNDING MODELS
- 4. CONCLUSIONS





WHO WE ARE, WHAT WE DO



CONSULTING

Business strategy

Due diligence

Public policy

\$30b+

investment

Business operations



RESEARCH

Strategic reports

10-year market forecasts

Proprietary databases

Profiles of leading organizations



SUMMITS & TRAINING

High-level programs

Executivelevel networking

Business deals

Market insight **TEAM**

4 offices



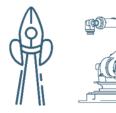






Expertise at each level of the **Value Chain/Ecosystem**







Promoting forward thinking, facilitating projects & deals for over **1,000** executives





>60 multi disciplinary **Experts**





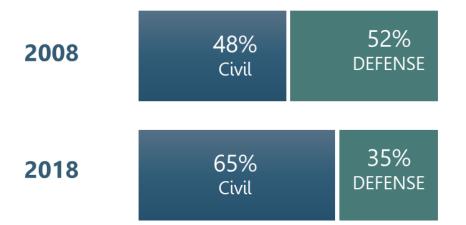


10 Y EVOLUTIONS OF GOVERNMENT INVESTMENT IN SPACE

COUNTRIES INVESTING IN SPACE

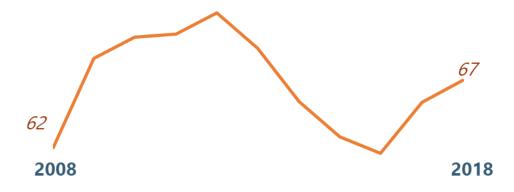


DOMAINS OF INVESTMENTS

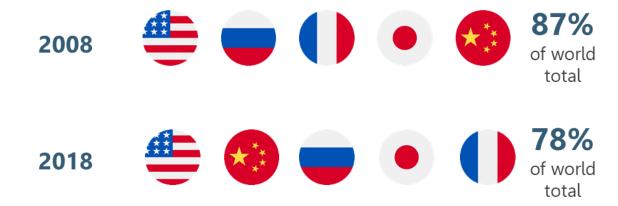


Source: Euroconsult's Research Reports

WORDWIDE SPACE EXPENDITURES



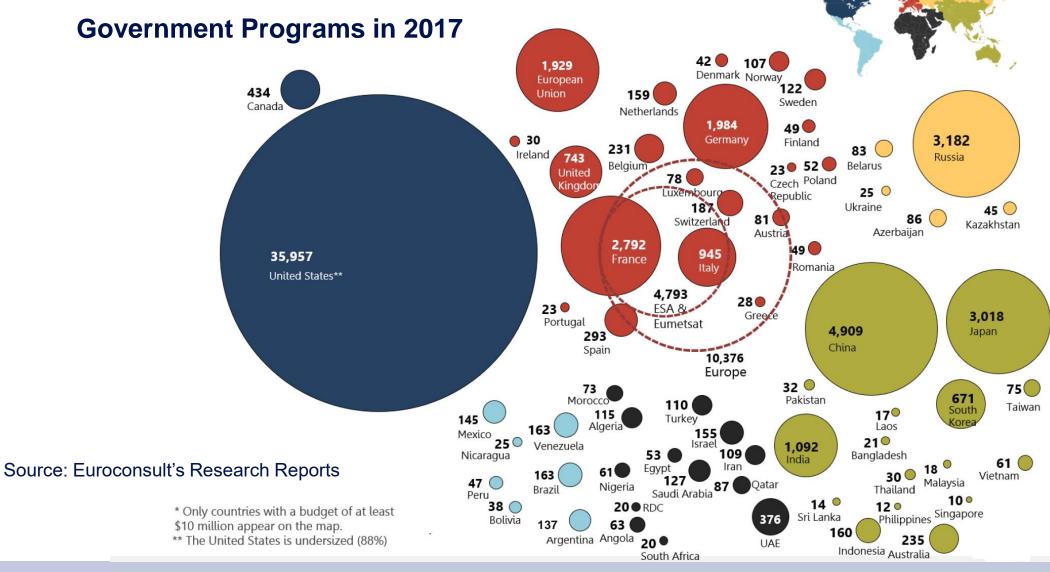
TOP 5 BUDGETS







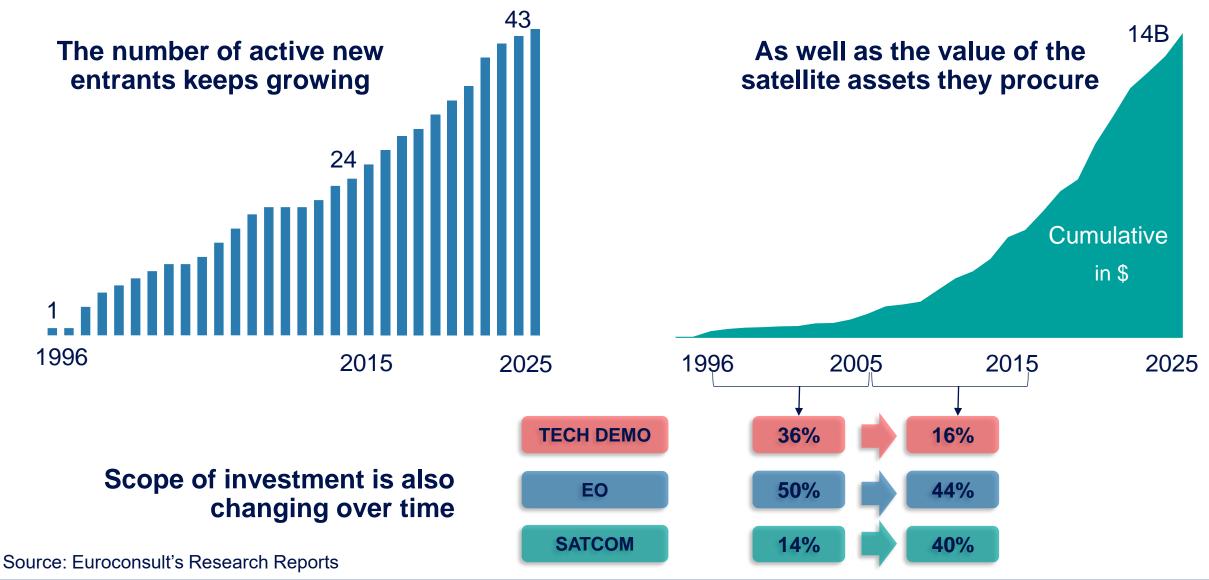
A DIVERSIFIED INTERNATIONAL LANDSCAPE







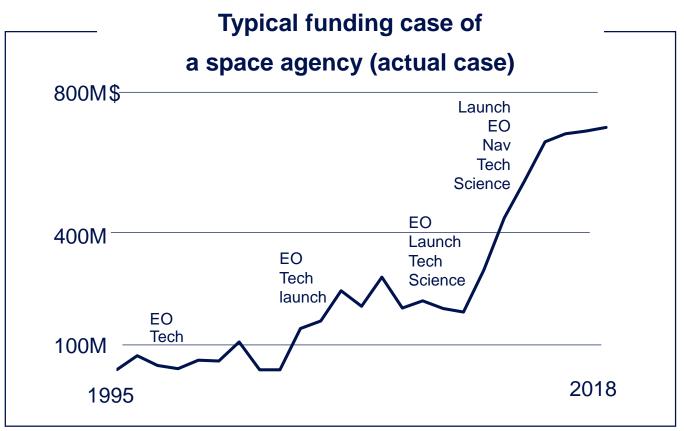
THE RISE OF EMERGING SPACE PROGRAMS





CLASSICAL FINANCIAL SCHEME // GOVERNMENT ALLOCATIONS

BUILDING UP A SPACE PROGRAM IS **CAPEX INTENSIVE** REQUIRING NATIONAL FINANCIAL COMMITMENT IN **THE VERY LONG TERM**



KEY ACHIEVEMENTS AFTER 30Y OF INVESTMENT

- 20 satellite launched
- Autonomy in EO/Meteo applications
- Domestic smallsat platform for national missions
- No autonomy in launch vehicle, still representing 40% of annual investment
- Domestic Nav augmentation system
- Science programs in partnerships
- Satcom services via national sat operator

Source: Euroconsult's Research Reports





ALTERNATIVE FINANCIAL MODELS // PPP

KEY CRITERIA OF A PPP (though no one single definition):

- 1- A public sector project
- 2- Sharing responsibilities and risks with the private sector
- 3- Involving rewards for the private sector
- 4- Long term (infrastructure projects)









POPULAR IN THE 2000'S, LESS SINCE THEN



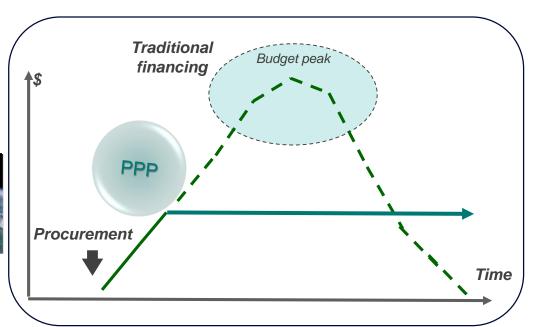








- Strict budgets control
- Smooth expenditures.
- Service focus, not the infrastructure
- Each party focuses on its strengths
- Transaction costs
- Control & ownership
- Program/contract complexity
- No capability building



Generally applied by governments with pre-existing experience





ALTERNATIVE FINANCIAL MODELS // LOAN & CREDITS

DEVELOPMENT BANKS

 Public institutions providing risk capital to finance projects contributing to economic developments





Conditions on eligibility (programs & amounts)

EXPORT CREDIT

 ECAs support a national exporter by facilitating project's financing with their international customers







Predominantly used for commercial operators / activity decreasing

VENDOR FINANCING

 The vendor lends money to its customer, who then uses the money to buy the vendor's product or service.



- Nicaragua
- Laos
- Nigeria...



Angola

- Buyer's long term dependency on the vendor
- Bridge the gap when traditional financial institutions are unwilling to finance
- Associated with satellite assets procurement rather than long term program financing
- Enable technology transfer & capability building
- Very much depending on political relations with the vendor





ALTERNATIVE FINANCIAL MODELS // COMMERCIAL REVENUES

INCREASINGLY POPULAR BUT NOT THAT STRAIGHT FORWARD...

ENABLER

- Complements baseline budget
- Limits dependency on ups & downs funding
- Showcase ROI to government

REQUIREMENTS

- Ability to reach customers (market access)
- In-house sales team or partner agreements
- Competitive solutions (performance, price...)

HISTORICAL AGENCIES GENERATE COMMERCIAL REVENUES FOR MANY YEARS











- Range of commercialization depends case by case: launch services, sat systems, EO data, Coms...
- Often through spin-off commercial venture
- Can represent up to 20-40% of annual funding

NEW ENTRANTS INCREASINGLY LOOKING TO ENTER THE MARKET













- Data or Gbps depending on the assets owned
- Direct marketing proved difficult / time consuming
- Agreements with established space companies for (vendor) for commercial partnership





CONCLUSIONS // TAKE AWAYS

Government new entrants are procuring increasingly complex space systems requiring large financial commitments

- Multiple funding models, **no one-fits-all**: always depend on the specific national **context**, type of **program** implemented & **objectives** pursued
- Combination of funding schemes often applied over time
- Space is **costly and demanding**: developing a national space program requires **long term vision** and **sustainable funding**

Muchas Gracias

Danke

Merci

谢谢

Shukran Thank you

Շևորհակալություն

спасибо

Дякую



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