

ESA COsting Software (ECOS) (R)evolution

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→ THE EUROPEAN SPACE AGENCY

What is ECOS?

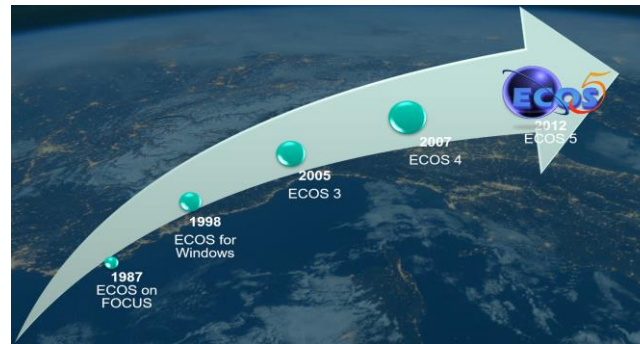
- The **ESA Costing Software (ECOS)** is an ESA corporate application designed to support industry for the preparation of price proposals.
- ECOS is recognised within the **ESA/REG/001 (ESA Procurement Regulations)**, in Annex IV

The use of the ESA Costing Software application (ECOS)¹⁰ for WBS costing presentation is mandatory for any proposals for major projects¹¹. This includes all cost proposals submitted for Phase C/D and may also include cost proposals for Phase B or Phase E. The Agency may decide to apply ECOS to projects with less than 10 M Euros industrial content by specifying this in the Special Conditions of Tender.

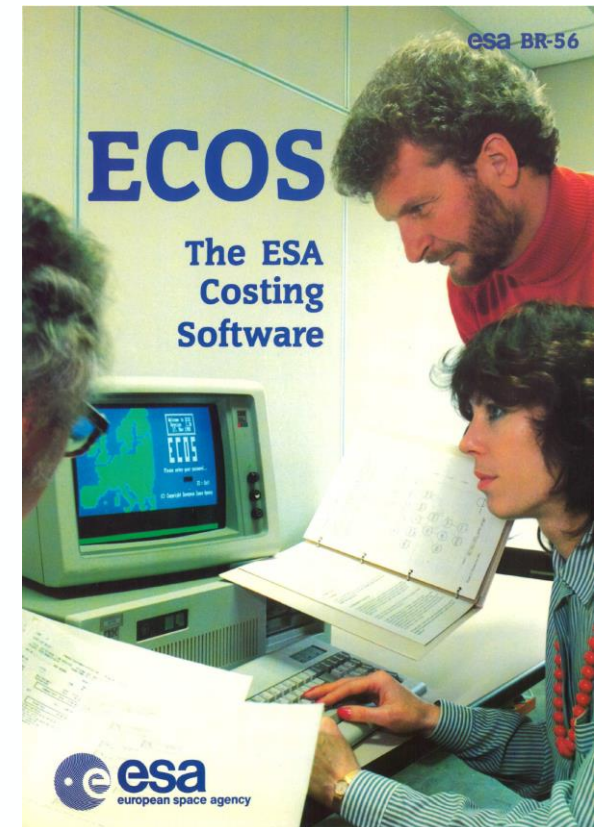
- ECOS provides a **standardised, structured and comprehensive framework**, tailored to the ESA regulations and costing requirements for compiling the total price inputs **across the whole consortium** participating a tender.
- **ECOS enables ESA to receive a complete digital version of the price data, allowing for a wider, deeper and robust price analysis.**

The origins of ECOS

- ECOS was developed by ESA (Cost Analysis Division) in the 80's as a revolutionary Project Management tool, when all documentation was on paper and thousands of pages of price breakdown could not even be handled.



- ECOS is managed by the ESA Cost Engineering Section, in collaboration with the Industrial Audit Service who retain the responsibility to manage the ESA standard price breakdown tables (PSS-A series).
- ECOS is currently widely used by the frequent bidders for ESA contracts, and growing also in less frequent bidders. The current version, #5.3, was released in 2018, and is regularly used by around 800 users.



Why a “new” ECOS?

- Over the last decade, ESA has changed dramatically its procurements and policies:
 - ESA-STAR
 - Digitalisation
 - Security regulation
 - Profit Policy
 - Rates audits
- **USER EXPERIENCE:** ECOS needs to offer industry a better, modern and more efficient User Interface, in particular supporting SMEs and seldom bidders.
- **INTEROPERABILITY:** ECOS needs to be connected to new ESA tools such as ESA STAR Tendering, Registration, ASTRA and possibly more.
- **SUSTAINABILITY:** ECOS needs to be managed as a Corporate tool, as an essential part of the most important process at ESA: procurements.

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ECOS 6 Global Process

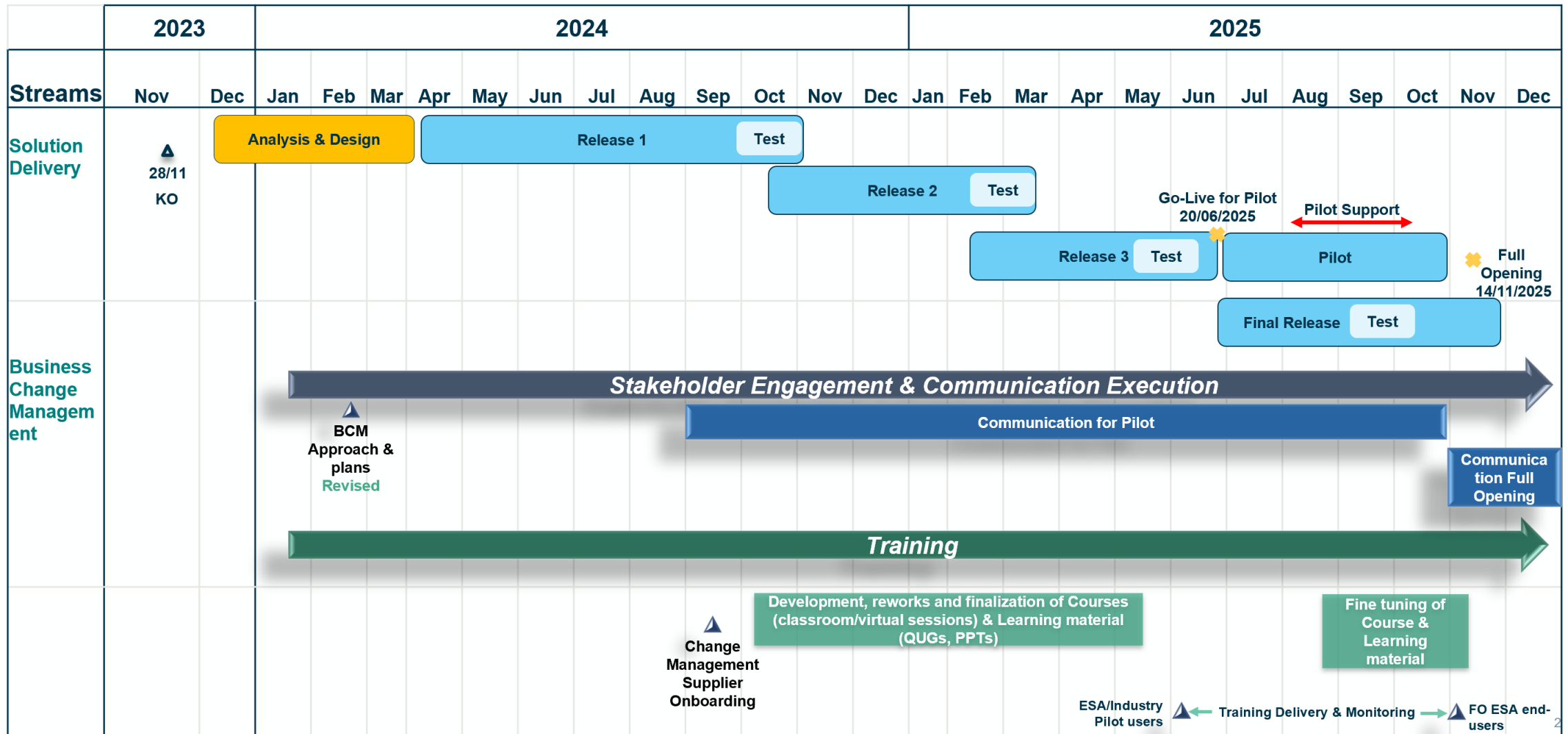
ECOS 6 implemented as a [web service](#), with access regulated via [ESA-STAR](#)



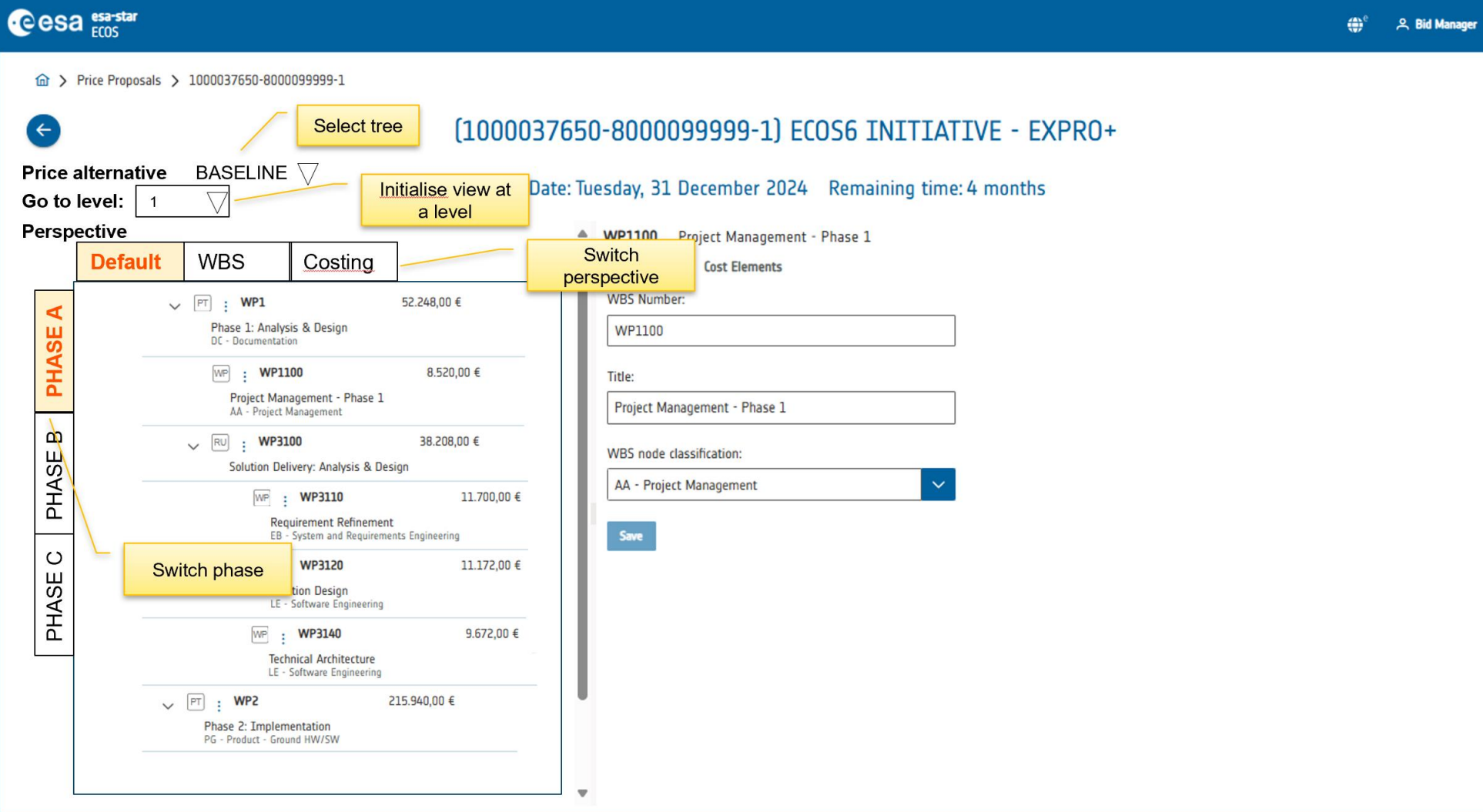
Stock Name	Symbol	Shares	Purchase Price	Cost Basis	Current Price	Market Value	Gain/Loss	Holding Period	Annual Return
Apple	APPL	100	\$100.00	\$10,000.00	\$148.10	\$14,810.00	\$4,810.00	12.20	1.35%
Microsoft	MSFT	200	\$120.00	\$24,000.00	\$160.17	\$32,034.00	\$8,034.00	11.58	2.05%
Google	GOOGL	100	\$150.00	\$15,000.00	\$245.10	\$24,510.00	\$9,510.00	10.34	6.00%
Amazon	AMZN	50	\$100.00	\$5,000.00	\$148.10	\$7,405.00	\$2,405.00	10.34	1.47%
Facebook	FB	100	\$120.00	\$12,000.00	\$180.10	\$18,010.00	\$6,010.00	10.34	3.00%
Twitter	TWTR	100	\$100.00	\$10,000.00	\$148.10	\$14,810.00	\$4,810.00	10.34	1.35%
LinkedIn	LNKD	100	\$100.00	\$10,000.00	\$148.10	\$14,810.00	\$4,810.00	10.34	1.35%
Slack	SLCK	100	\$100.00	\$10,000.00	\$148.10	\$14,810.00	\$4,810.00	10.34	1.35%
Zoom	ZM	100	\$100.00	\$10,000.00	\$148.10	\$14,810.00	\$4,810.00	10.34	1.35%
Dropbox	DBX	100	\$100.00	\$10,000.00	\$148.10	\$14,810.00	\$4,810.00	10.34	1.35%
Netflix	NFLX	100	\$100.00	\$10,000.00	\$148.10	\$14,810.00	\$4,810.00	10.34	1.35%



ECOS 6 Roadmap



First Glimpse of ECOS 6



The screenshot displays the ECOS 6 web interface for a project proposal. The header shows the 'esa' logo and 'esa-star ECOS' branding. The main content area is titled '(1000037650-8000099999-1) ECOS6 INITIATIVE - EXPRO+'. It includes a 'Price alternative' dropdown set to 'BASELINE', a 'Go to level' dropdown set to '1', and a 'Perspective' section with tabs for 'Default', 'WBS', and 'Costing'. A vertical sidebar on the left lists 'PHASE A', 'PHASE B', and 'PHASE C'. The main table lists work packages (WP) with their descriptions and costs. A right-hand panel shows details for 'WP1100', including its WBS Number, Title, and WBS node classification. Annotations with yellow boxes and arrows point to various UI elements: 'Select tree' points to the back arrow; 'Initialise view at a level' points to the 'Go to level' dropdown; 'Switch perspective' points to the 'Costing' tab; 'Switch phase' points to the 'PHASE B' button; and 'WBS Number:' points to the 'WP1100' input field.

esa-star ECOS

Price Proposals > 1000037650-8000099999-1

(1000037650-8000099999-1) ECOS6 INITIATIVE - EXPRO+

Price alternative: BASELINE

Go to level: 1

Perspective: Default WBS Costing

WP1100 Project Management - Phase 1

Cost Elements

WBS Number: WP1100

Title: Project Management - Phase 1

WBS node classification: AA - Project Management

Save

Phase	WP	Description	Cost
PHASE A	WP1	Phase 1: Analysis & Design DC - Documentation	52.248,00 €
	WP1100	Project Management - Phase 1 AA - Project Management	8.520,00 €
	WP3100	Solution Delivery: Analysis & Design	38.208,00 €
	WP3110	Requirement Refinement EB - System and Requirements Engineering	11.700,00 €
PHASE B	WP3120	System Design LE - Software Engineering	11.172,00 €
	WP3140	Technical Architecture LE - Software Engineering	9.672,00 €
PHASE C	WP2	Phase 2: Implementation PG - Product - Ground HW/SW	215.940,00 €

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ECOS

It is suggested that you make a photocopy of this form

APPLICATION FOR ECOS TRAINING CLASS

Company:

Address:

Telephone:

Telefax:

Telex:

Name of trainee:

Position held:

Preferred month for training:

Please indicate PC-version available in your company:

Do you already hold copy of the PC-focus license?

.....

Date:

Signature:

Name

