

TESTNET

Towards European Sectorial Testing Networks for Environmentally sound Technologies

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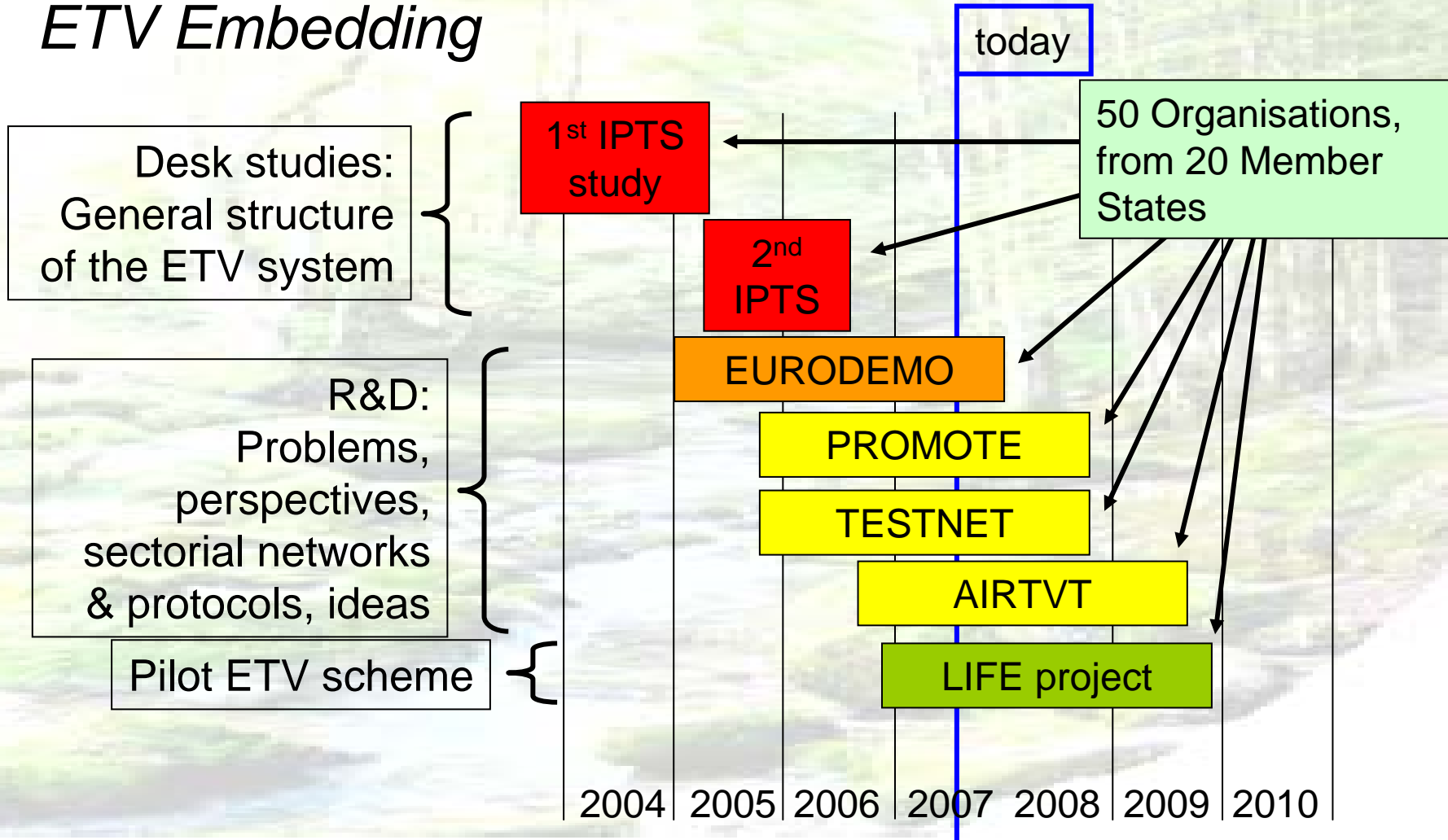
Goal and Purpose

- Overall goal of “ETV-Europe”:
to enhance the uptake of *environmentally sound technologies*,
to stimulate their implementation.
- Purpose of the TESTNET project:
to develop a:
 - System of verification for
 - Ready-to-market and innovative *environmentally sound technologies*
in the following fields:
 - o Water Technologies + related Monitoring Technologies
 - o Cleaner Production + related Monitoring technologies

Starting points and input

- **EPA-ETV (USA) and ETV-Canada**
- **IPTS-study “Environmental Technology Verification Systems”**
- **IPTS feasibility study**

ETV Embedding



Project Info

Planning: 1 September 2005 – 31 August 2008

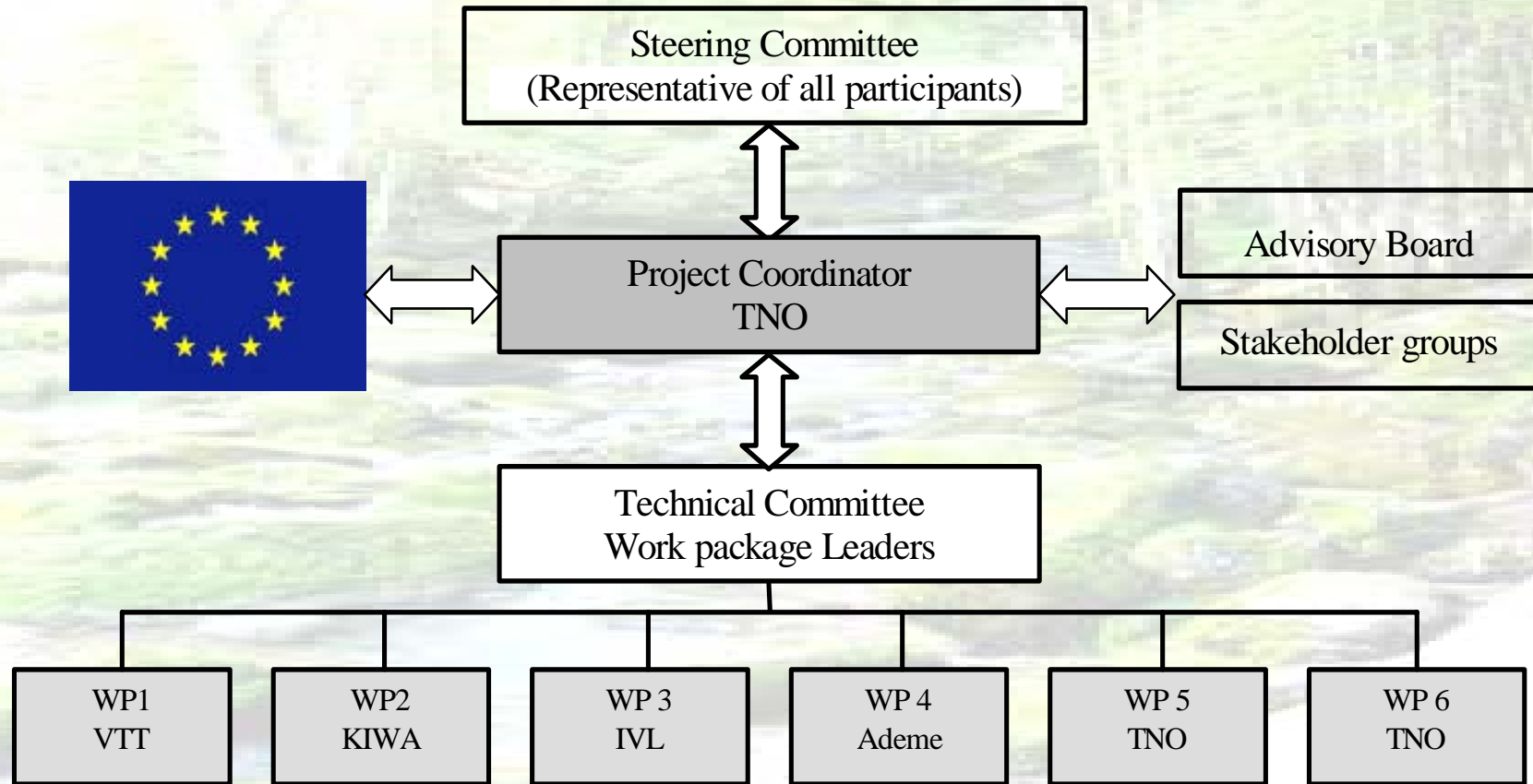
Consortium: 12 partners from 9 countries

Coordinator: TNO (NL)

WP-Leaders: VTT (SF), KIWA (NL), IVL (S), ADEME (F), TNO (NL)

Participants: NCSR(D) (GR), DHI (DK), GIG (P), IVL (S),
INASMET (ES), EXERA (F), IPTS (ES), EUCETSA (B)

Project Organisation





Tasks of WP's in short

- WP1 To develop a systematic, continuous practice for identifying promising environmentally sound technologies (EsTs)
- WP2 To develop a Verification System
- WP3 To test the Verification System of concrete EsT cases
- WP4 To disseminate knowledge about the ETV activities in TESTNET (Website, Newsletters, Leaf- and Booklet etc.)
- WP5 To develop a business plan (exploitation model) and organise/coordinate the stakeholder groups
- WP6 Projectmanagement and Coordination

Main WP Results so far (1):

WP1: Technology and market prospects

- Demarcation and identification of EsT
- Future Outlook on Water Quality Technologies
- Developing “innovation fact sheets’ of EsT
- Mapping guides for cleaner technologies

WP2: Verification system

Developed a draft Environmental Technology Verification System

- A draft Verification Protocols
- Flowcharts of Verification schemes, with and without VI leading
- Structure of a verification organisation (incl. regulations for Expert and Appeal Boards)
- First update of verification protocols based upon case results



Main WP Results so far (2)

WP3: Validation of Verification System

Selection and testing of technologies to be verified (7x, ongoing)

- 3 verification cases on water technology
 - 4 verification cases on cleaner production
- (Selection criteria: innovative, mature/ready-to-market, stakeholder involvement)

WP4: Dissemination

- Website with all relevant information (www.est-testnet.net)
- 3 Newsletters (recent one of April 2007 *)
- Leaflet* and Booklet about TESTNET
- Seminar "Testing and Verification of EsT", October 3 2006 Espoo/Finland

WP5: Business Plan

- Draft Business Plan Methodology and framework for ETV Business Plan
- Organising/coordination 2 Stakeholder groups
(Water Technology and Cleaner Production)

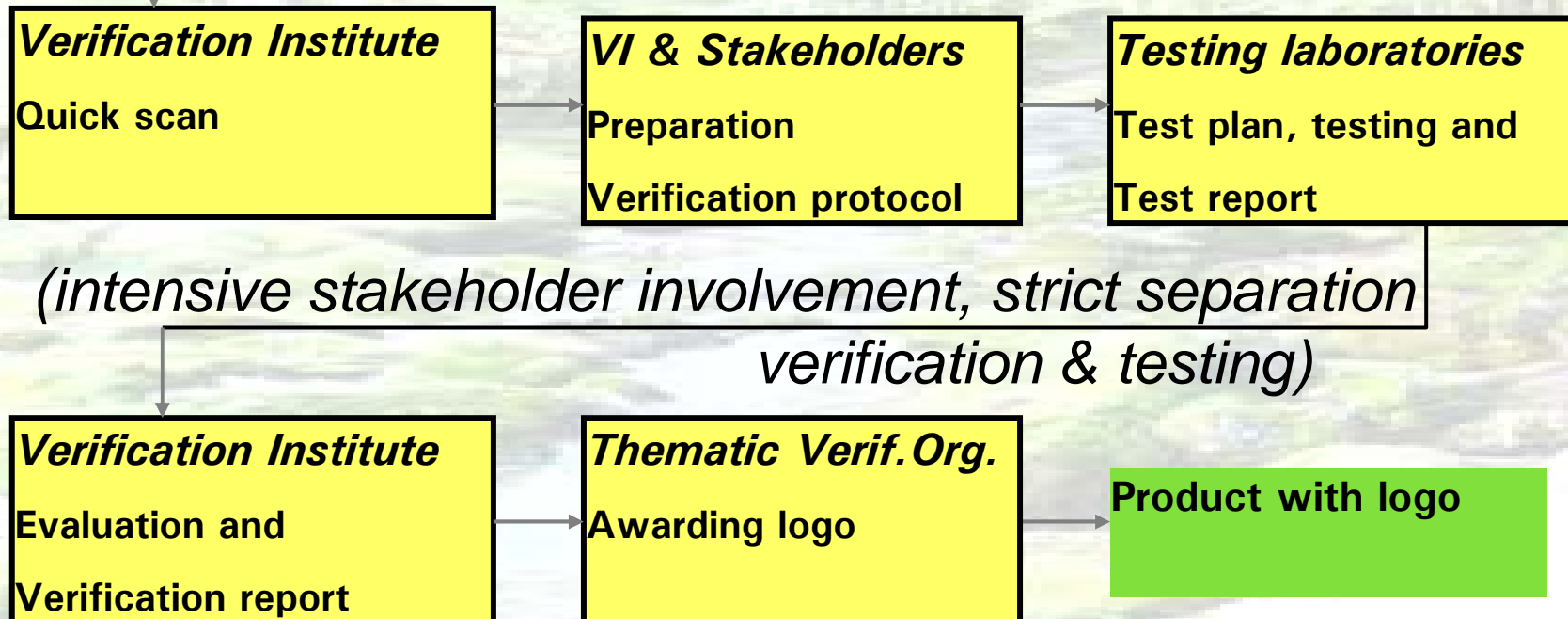
* here available

Scheme **with** Verification Institute

Product
(Technology)

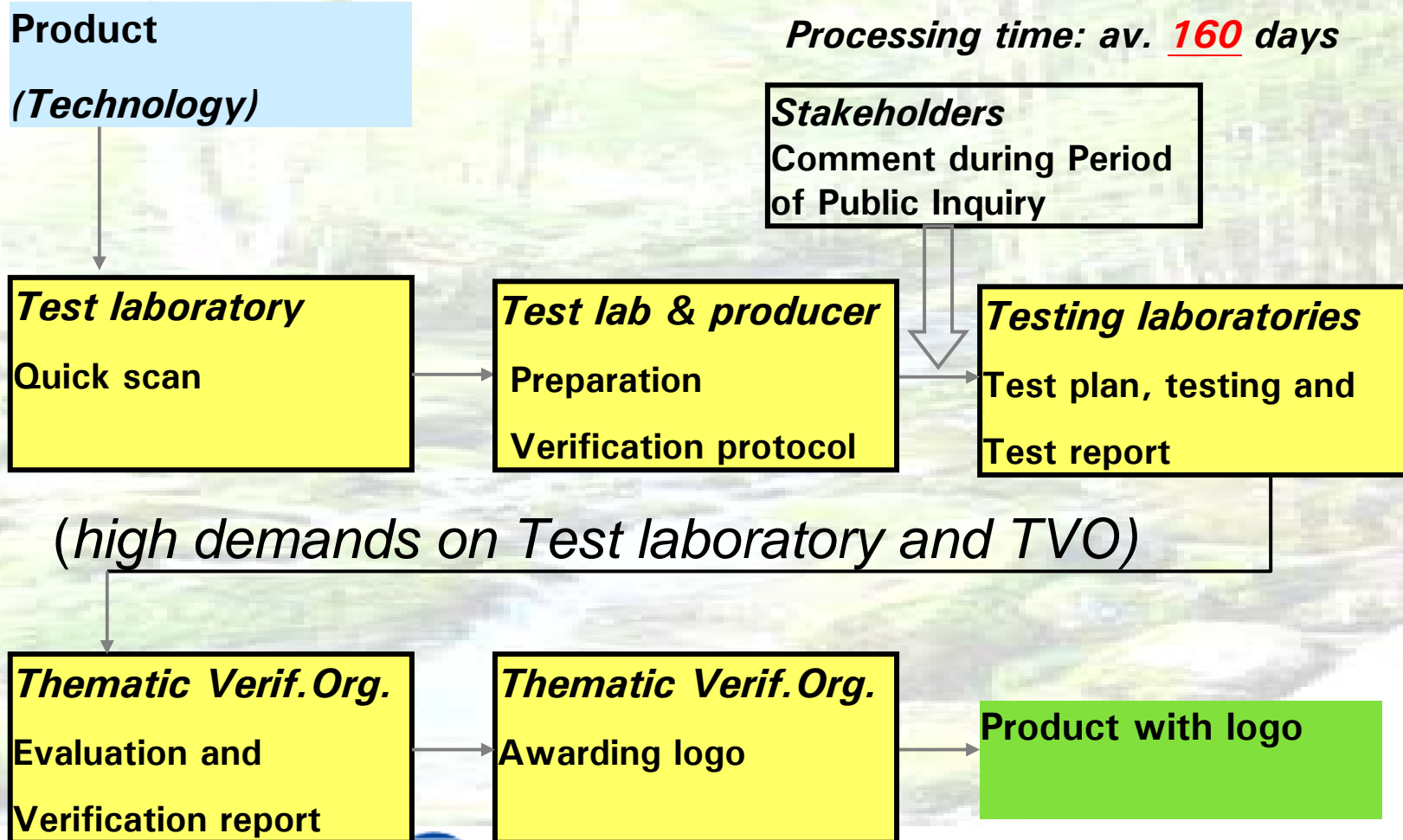
Processing time: av. 300 days

Protocol available: av. 150 days

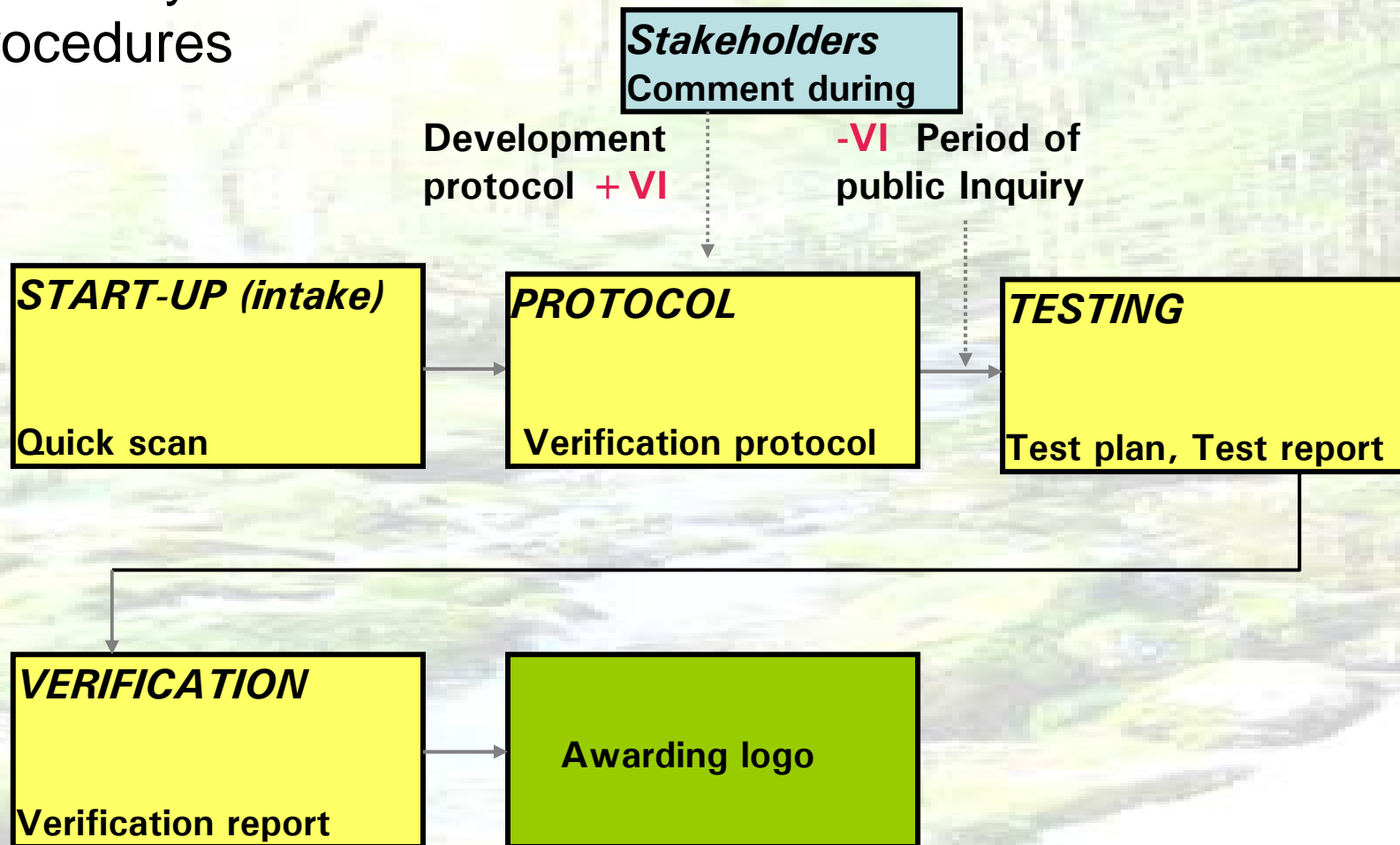


WP2: Scheme without Verification Institute

*Processing time: av. **160** days*



Summary of procedures





WP3: EsT Verification Cases

- 1a TOXControl Biomonitor: +VI: EXERA - DHI
WQ-monitoring with luminescent bacteria
- 1b Spectrolyser: -VI: DHI
UV-vis on line sensor
- 2 Several (combinations of) disinfection techn. +VI: Kiwa Cert. – Wat Res
to make water suited for the food industry
- 3 Membrane technology to treat flue gas -VI: IVL
condensate
- 4 Plasma technology for waste treatment -VI: INASMET
- 5 Clean pipe production -VI: GIG
- 6 Membrane techn. for Cleaner production: -VI: NCSR
Separation hydrocarbons/ removal pollutants
- 7 Fuzzy Filter for removal solids in wastewater - VI: VTT

Stakeholder Involvement:

Most important stakeholder comments:

- ETV must have added value for all involved parties (producers/vendors as well as buyers/consumers)
- ETV system to be recognised by all member states
- No bureaucracy, quick procedure and low costs
- General parts of the 'ETV system' to be subsidised
- Confidential producer information has to be well protected



Ongoing Actions to Involve Stakeholders

- Selected EsT's for which active networks already exist (f.e. Eucetsa network)
- Approaching stakeholders intensively during the cases
- Drawn up a major group of involved stakeholders around the cases (as a sound board group for general comments)
- Selected within this group a smaller core group of active stakeholders to specifically comment on the draft verification documents

Summary: Actual Outline of the project

- + Draft Verification protocols are drawn up
- + 7 Concrete EsT verification cases are selected and ongoing
- + Verification protocols are being tested in the ongoing EsT cases
- + Stakeholder groups are drawn up around the chosen cases
- + Next October will be held a Stakeholder seminar to present our proposals and to trigger the stakeholders to raise their comments and advises
- + The final update of the verification protocols will be carried out based upon the final outcome of the “real life” EsT verification cases (spring 2008)
- + August 2008: Final report of the “real-life-proof” EsT Verification protocols



Main discussion points:

- Should we include existing data in the verification process?
- Who/where should be the national contact points for ETV?
- Which minimum requirements has to applied to the testing laboratories?
- How to improve the harmonisation/recognition with other (existing) ETV systems?
- Should the ETV system be open for existing technologies as well?
- Which financial model(s) to apply for the ETV-systems?