



Geneva, 9th September 2014
Port Hinterland Connections and customs procedures:
The case of the European Union programme MEDNET



MEDNET

Port Operations Observatory in the Mediterranean



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National Technical University of Athens
Department of Transportation Planning and Engineering



“Port Operations Observatory in the Mediterranean”



- An advanced web-based platform for Port Authorities and stakeholders to:
 - disseminate ad hoc knowledge and best practices
 - facilitate exchange of views
 - record port operations related activities and procedures
- Main output of project MEDNET of the EC programme MED

www.med-observatory.ntua.gr



Main Features of Observatory



- All-inclusive information and knowledge base of
 - port administrative requirements,
 - logistics procedures,
 - port operations, and
 - customs formalities.
- Tool for recording and disseminating best practices, and understanding of technical parameters related to port operations' performance through the use of a specialized database.
- Communication platform at European, national and regional levels, based on a theme-classified discussion forum.

Through MEDNET website...



MEDNET SEAMLESS LOGISTICS

PRIVATE AREA

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FR

PORT OPERATIONS OBSERVATORY

PORT OPERATIONS OBSERVATORY

PORT OPERATIONS OBSERVATORY
SURVEYING AND MONITORING

To be established as the project moves forward, the "Observatory of Port Operations in the Mediterranean" will act as an all-inclusive information center and knowledge base on port administrative requirements, logistic procedures, port operations and customs formalities. It will also aim at recording and disseminating best practices.

The Observatory will allow, through the use of a specialized database, for the understanding of the technical parameters related to port operations' performance, while highlighting at the same time strengths and weaknesses of port operations.

Moreover, it will build up a communication platform at European, national and regional levels. In addition, it will rely on a theme-classified discussion group. The MEDNET Port Operations Observatory in the Mediterranean is now available.

To access the MEDNET Port Observatory, click here

KNOWLEDGE COMMUNITY

PORT OPERATIONS OBSERVATORY

PILOT ACTIONS

NEWSLETTER

Click here to subscribe to the MEDNET newsletter

QUICK LINK

- The project stake
- Opportunities

med L'Europe en Méditerranée Europe in the Mediterranean

Project cofinanced by the European Regional Development Fund

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in f

...to the Observatory's Home Page



MEDNET PORT OPERATIONS OBSERVATORY

MEDNET SEAMLESS LOGISTICS



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PORT OPERATIONS OBSERVATORY

The Observatory of Port Operations in the Mediterranean Sea is an all-inclusive information centre and knowledge base on port administrative requirements, logistics procedures, port operations and customs formalities.

It allows for recording and disseminating best practices, as well as for understanding the technical parameters related to port operations' performance, through the use of a specialised database, while highlighting at the same time strengths and weaknesses of port operations. Moreover, it provides a communication platform at European, national and regional levels, relying on an open discussion group.

Other Home Page Shortcuts...



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PORT OPERATIONS OBSERVATORY

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42nd European Transport Conference Germany, September 2014

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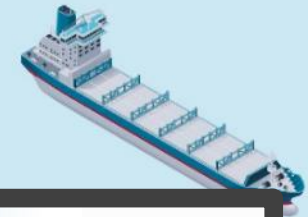
to website details



to:

- MEDNET
- MED programme
- European Union

Reference Library > MEDNETpedia



The screenshot shows the MEDNET Observatory website. The top left features the logo 'MEDNET PORT OPERATIONS OBSERVATORY'. The top right has the logo 'MEDNET SEAMLESS LOGISTICS'. A dark blue sidebar on the left contains a menu with the following items: Home, Reference Library, Meta-Analysis, GJS - MEDnetwork, Pilot Actions, Forum, and News & Events. The 'Reference Library' item is highlighted, and a sub-menu is open, showing 'MEDNETpedia' (with a mouse cursor), 'Legislation', and 'Studies & Projects'. The main content area displays 'MEDNETpedia' and 'Basic Categories of Port Operations'. Below this, there are several expandable categories: '+ Maritime & Vessel Related Procedures (all vessel types)', '+ Services (passenger & RO-PAX vessels)', '+ Handling Procedures (freight vessels)', '+ Maritime & Logistics Procedures', '+ Environmental Protection Related Procedures', '+ Port Infrastructure Related Procedures', and '+ Vessel Inspection & Maintenance Operations'. At the bottom of the page, it says 'MEDNET Observatory / Copyright 2014 / All rights reserved / Designed by NTUA'.

- Directory of definitions of the main procedures related to port operations
- Classification into 7 main categories



Basic Categories of Port Operations > Definitions per category



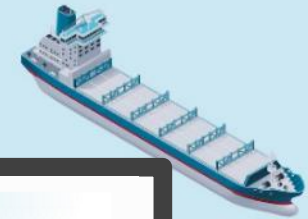
The screenshot shows the MEDNET PORT OPERATIONS OBSERVATORY website. The header includes the MEDNET logo and the tagline 'SEAMLESS LOGISTICS'. A navigation menu on the left lists: Home, Reference Library, Meta-Analysis, GIS - MEDnetwork, Pilot Actions, Forum, and News & Events. The main content area is titled 'MEDNETpedia Basic Categories of Port Operations' and features a list of categories with expandable sections:

- + Maritime & Vessel Related Procedures (all vessel types)
- + Pre-announcement of ship arrival
- + Shipping traffic management
- + Lock planning (if applicable)
- + Berth allocation (request, selection, approval)
- + Pilotage
- + Tug services

The 'Shipping traffic management' section is expanded, showing an image of a person at a computer workstation with multiple monitors displaying maps and data. The text next to the image reads: 'Shipping traffic management covers the input of preventive instruments (i.e. traffic instruments), which include rules and regulations, routing measures, position fixing, fairway marking, supplying of information, vessel traffic services (VTS), reporting information systems and piloting.' Below the image, the word 'Source' is visible.



Reference Library > Legislation



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Legislation

The legislation that is relevant to Port Operations and Customs Procedures in the European Union may be accessed from this page. The directory includes 5 legislation types: papers, directives, regulations, communications and decisions.

Please select the preferred filters of issue year and/or legislation type in order to get a list of all relevant titles. A search tool by keyword is also available in this section.

Issue year: Legislation type: Keyword:

1 2	Title	Legislation type	Issue date	Objective
	Directive 2000/59	Directive	2000	The Directive residues into for illegal discharges from ships using ports in the Community. The reduction will be achieved through the improvement of the availability and use of port reception facilities for ship generated waste and cargo residues, enhancing the protection of the marine environment. The Directive is applied to all ships, calling at or operating within a port of a Member State and all ports of the Member State. According to the Directive, a waste reception and handling plan should be developed and implemented for each port in a regional context. The Member States will evaluate and approve the waste reception and handling plan, monitor its implementation and ensure its re-approval every three years and after significant changes in the operation of ports.

[1 2](#)

Searchable database of legislation, directives and regulations related to Maritime/ Intermodal Transport and Port/ Customs Operations



MEDNET

SEAMLESS LOGISTICS

Reference Library > Studies & Projects



MEDNET PORT OPERATIONS OBSERVATORY

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All studies and projects that are relevant to Port Operations, Customs Procedures and Transport Observatories may be accessed from this page.

Please select the preferred filters of project category, title, budget, source of funding and/or partners in order to get a list of all relevant titles. A search tool by keyword is also available in this section.

More Detailed Results

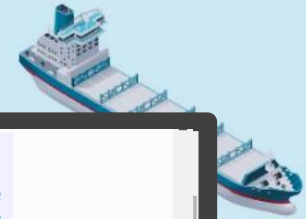
Category: Project Title:
 Budget: Funding:
 Partners:

Category	Project Title	Duration	Source of funding	Overall Aim	Project Website
PORT OPERATIONS	BACKGROUNDS - Improving Productive Clusters Accessibility to Global Market	3 years (2009 - 2012)	EC, MED Programme	The overall aim of the project was the development of a governance model that would involve ports and port infrastructures in the Mediterranean area and would contribute to the increase of their accessibility to infrastructures for the local economic and productive systems, resulting to the increase of ports' attractiveness.	http://www.backgrounds-project.eu/
PORT OPERATIONS	DEVELOPMED	2 years (2009 - 2011)	EC, MED Programme	The overall goal of the project was the development of the necessary conditions in order to ensure the balanced and enduring spatial development of ports and improve their connections with Pan-European corridors.	http://www.developmed.eu/
PORT OPERATIONS	IFREIGHT - Intermodal Freight Services Development Committees		EC, MED Programme	The overall scope of the project is the improvement of regional competitiveness through the promotion of efficient intermodal	http://www.ifreightmed.eu/

Searchable database of studies & projects that are relevant to Port Operations, Customs Procedures & Transport Observatories, e.g. all projects under EC MED Programme



Meta-Analysis



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CUSTOMS PROCEDURES THAT ARE NOT YET ELECTRONIC

The use of electronic systems for customs procedures during last years has contributed to the improvement of controls and concurrently to the facilitation of procedures, eliminating thus the required documents submitted in hard copies, and the respective times. Although the majority of customs procedures are electronic, specific procedures are not yet electronic affecting the overall procedure. The table below presents the customs procedures that are not yet electronic by country.

Country	Procedures not electronic yet
Italy	T2L, carnet ATA, AE302
Spain	Authorisation for representation in customs clearance procedures
France	Certificates of origin, phytosanitary, quality
Greece	Clearance of goods with excise duty
Cyprus	Development of new export system
Slovenia	T2L, paper for vessel manifest containing cargo manifest from the shipping agent
Portugal	No information
Croatia	All procedures electronic
Albania	All procedures electronic

Regarding the electronic solutions that need to be improved, the integration between STRADA and A.E.S. in Italy and the communication between Custom Authority and the Official Inspection Bodies/ Organisms in Spain need to be improved.

Quick overview of key results, outputs and analyses from data collected for the observatory

AVAILABLE FORMATS FOR PRESENTING ELECTRONIC DOCUMENTS

The available formats for the presentation of the electronic documents are presented below by country.

Country	Available formats
Italy	XML, PDF
Spain	XML, EDIFACT
France	XML, EDIFACT, PDF
Greece	XML
Cyprus	XML, Web forms



GIS - MEDnetwork > Ports Information



Container volumes per port (2009-2011)



Development of GIS database and georeferencing of available data about the Mediterranean ports.

Open map in new window



GIS - MEDnetwork > Vessel Traffic



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MEDNET SEAMLESS LOGISTICS

Vessel Traffic

Monitor marine traffic in the Mediterranean area!

Please zoom-in to the map below and discover a great source of live information on all vessel movements in your area of interest.

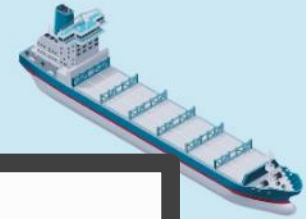
Full network of maritime routes among the Mediterranean ports.

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- Widget for real-time vessel positioning
- Overview of all maritime routes among Mediterranean ports



GIS - MEDnetwork > Volume Forecast



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Volume Forecast

Online application providing results of a modeling tool for freight demand studies, including forecasts of cargo flows by commodity type and by mode, per link and per direction, across the Mediterranean area.

Example: Catchment area of maritime corridor: Trieste - Igoumenitsa

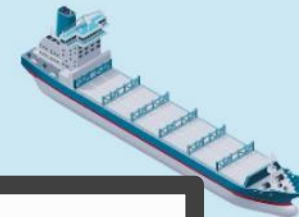
Link	Estimated demand (tons)		
	2020	2025	2030
Trieste - Igoumenitsa	217.170	251.758	291.857
Igoumenitsa - Trieste	130.852	151.693	175.854

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- Demand forecast scenarios for maritime freight transport along Mediterranean corridors
- Use of CUBE modeling tool for demand analyses & graphic outputs



GIS - MEDnetwork > Vessel Traffic



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Source: <http://ec.europa.eu/transport/infrastructure/tentec/tentec-portal/main.jsp>

Overview of the maritime and intermodal transport network across Europe.

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GIS tool for combined overview of maritime & intermodal transport networks at European level



Pilot Actions



The screenshot shows the MEDNET Port Operations Observatory website. The header features the MEDNET logo and the tagline 'SEAMLESS LOGISTICS'. A navigation menu on the left includes links for Home, Reference Library, Meta-Analysis, GIS - MEDnetwork, Pilot Actions, Forum, and News & Events. The main content area is titled 'Pilot Actions' and contains a row of buttons for Pilot 1 through Pilot 7. Below this, a detailed view of 'Pilot Action 1: Simplification of the procedures associated with Customs: ENS, EXS, SDTS and Import/Export SAD' is shown, featuring three partner buttons: Valenciaport Foundation, Port of Rijeka Authority, and Albanian Institute of Transport. A mouse cursor is positioned over the Valenciaport Foundation button. The footer of the website reads 'MEDNET Observatory / © Copyright 2014 / All rights reserved / Designed by NTUA'.

Directory of Pilot Actions undertaken by Mediterranean ports & other MEDNET partners within the project's context



Information on each Pilot Action



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- Pilot Actions**
- Forum
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Valenciaport Foundation

→ Specific pilot action proposed:

Updating Single Window system for lodging Summary Declaration for Temporary Storage (SDTS) and cargo manifest.

→ Stakeholders involved:

Port Authority of Valencia
Customs

→ Subject matter: What?

Update the current Single Window system and electronic tools for submitting SDST and Cargo Manifest to the Port Authority.
The proposed initiative is aimed at updating the current computer systems and tools for submitting these declarations to the Port Authority of Valencia. The proposed method implies lodging these declarations once only and the information can be used by all authorities involved.

→ Purpose: Why?

This solution avoids any discrepancy between the information lodged at the different authorities involved and permits the introduction of advanced measures in regulatory compliance and risk management.

The MEDNET project intends to make a significant contribution towards customs procedures and simplification of clearance for vessels and cargoes in the Mediterranean area through a set of activities. The analysis, improves and recommendations regarding the procedures for lodging the SDTS contribute to this goal.

The proposed pilot prepares the port systems for future Community Customs Code requirements allowing the agents involved to share information and interoperate in the different systems established in the Mediterranean area.

The security amendment of the Customs Code established two new declarations to be considered for security reasons named ENS (Entry Summary Declaration) and EXS (Exit Summary Declaration). It also regulated the use of the Arrival Notifications and the Summary Declarations for Temporary Storage. In January 2011 the ICS (Import Control System) phase 1 started its operations in all EU Member States. The first phase of the ICS introduced the use of ENS related electronic messages that were specified and harmonized by DG TAXUD for its application in all Member States. It is quite probable that a second phase of the ICS will deal with the SDTS and, this pilot will be very useful to assess and to be prepared for possible changes.



MEDNET Observatory Forum



MEDNET PORT OPERATIONS OBSERVATORY MEDNET Observatory Forum
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It is currently Mon Jun 16, 2014 4:51 pm

This board has no forums.

LOGIN • REGISTER

Username: Password: | Log me on automatically each visit

WHO IS ONLINE

In total there are **3** users online :: 2 registered, 0 hidden and 1 guest (based on users active over the past 5 minutes)
Most users ever online was **13** on Sun Jun 15, 2014 1:20 pm

Registered users: [Google \[Bot\]](#), [Ojintut](#)
Legend: *Administrators*, *Experts*, *Global moderators*, *test*

STATISTICS

Total posts **602** • Total topics **595** • Total members **23** • Our newest member **lisimthmtr**

[Board index](#) The team • Delete all board cookies • All times are UTC [DST]

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Forum homepage > User registration

www.med-observatory.ntua.gr/forum



Forum > Topics



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Topics

[Mark subforums read](#)

FORUM	TOPICS	POSTS	LAST POST
Port bottlenecks	1	2	by Stavros Antypas Sun Jun 01, 2014 2:29 pm
Port best practices	1	2	by Andrea Chiappetta Sun Jun 01, 2014 2:30 pm
Port Services	598	601	by Ojintut Mon Jun 16, 2014 7:01 pm
EDI systems	2	4	by Dimitrios Tsamboulas Sun Jun 01, 2014 2:58 pm

WHO IS ONLINE
Users browsing this forum: [Anna-Maria Lekka](#) and 0 guests

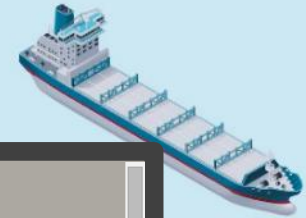
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- View of existing discussion topics
- Creation of new topic



Q & A's per discussion topic



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FAQ Members Logout [Anna-Maria Lekka]

Port communication and information exchange

POSTREPLY Search this topic... Search

First unread post • 2 posts • Page 1 of 1

Port communication and information exchange

by **Andrea Chiappetta** » Sun Jun 01, 2014 2:42 pm

Concerning the Port communication and information exchange, what percentage of ports in the Mediterranean use electronic systems for data/information exchange?

Thank you very much

Re: Port communication and information exchange

by **Dimitrios Tsamboulas** » Sun Jun 01, 2014 2:58 pm

Please see below the diagram showing the status of electronic port communication systems in the Mediterranean ports:

ATTACHMENTS

Existence of system used for data/information exchange

Category	Count
Yes	28
No	3
Under development	3
No information	11

EDI.PNG (21.68 KIB) Viewed 2 times

Display posts from previous: All posts Sort by Post time Ascending Go

POSTREPLY

2 posts • Page 1 of 1

- View of existing Questions & Answers in each topic
- Option to participate in a discussion / reply to an existing question



Forum > Experts List



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FAQ Members Logout [Anna-Maria Lekka]

Viewing profile - Dimitrios Tsamboulas

Username: **Dimitrios Tsamboulas**
Groups: Experts Go
Location: Athens, Greece
Expertise: Port Management; Port Operations; Logistics; Customs Procedures
Institution - Organisation: National Technical University of Athens
Address: 5, Iroon Polytechniou, Zografou GR 15773, Greece
[Add friend](#)
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CONTACT DIMITRIOS TSAMBOULAS	USER STATISTICS
PM: Send private message	Joined: Sun Jun 01, 2014 12:45 pm
	Last visited: Sun Jun 01, 2014 2:58 pm
	Total posts: 1 Search user's posts (0.16% of all posts / 0.07 posts per day)
	Most active forum: EDI systems (1 Post / 100.00% of user's posts)
	Most active topic: Port communication and information exchange (1 Post / 100.00% of user's posts)

Board index

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- Directory of contact and other details of experts in the maritime and port sector
- Option for direct communication via the forum



News & Events



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News & Events

29-1 SEP-OCT 42nd European Transport Conference Germany, September 2014

What: Connecting the worlds of research, consultancy, policy and practice
Where: Frankfurt, Germany
More info: <http://etcproceedings.org>

9-11 JUNE Transport Engineering Conference (CIT) Spain, June 2014

Participation in event: 11th Transport Engineering Conference – CIT 2014
What: Gathering point for sector experts who are involved in Transport Engineering, serving as compilation of knowledge in the field of transport from Spain and at international level
Where: Santander, Spain
More info: <http://www.cit2014.unican.es>

2-6 JUNE Posidonia Exhibition Greece, June 2014

Participation in event: Posidonia Exhibition 2014
What: Business, debate and social gathering of the international shipping community
Where: Athens, Greece
More info: <http://www.posidonia-events.com>

Latest news, announcements & events relevant to the observatory



Home Page > Assess your Port!



MEDNET PORT OPERATIONS OBSERVATORY

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- Average time for customs clearance in import / export operations
- Customs Procedures that Are Not Yet Electronic
- Available formats for presenting electronic documents
- Pilot actions of MEDNET project partners

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- Posidonia Exhibition, June 2014
- Transport Engineering Conference (CIT) Spain, June 2014
- 42nd European Transport Conference Germany, September 2014

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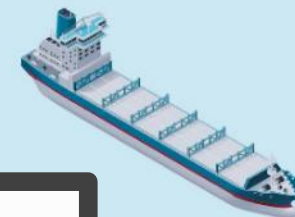
Project cofinanced by the European Regional Development Fund

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Assessment tool for port operations through benchmark analysis of selected KPIs



Use of Assess your Port! tool



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Assess your port

20	Turn-around time (cargo)		<input type="text" value="option1"/> hours
21	Waiting time after berthing for unloading (in hours)	NUM	<input type="text" value="option1"/> hours
22	Waiting Time for cargo transfer from one mode to another (time in storage and time from quay to storage)	NUM	<input type="text" value="option1"/> hours
23	Time spent in transferring cargo from storage to next mode of transport (including loading time)	NUM	<input type="text" value="option1"/> hours
24	Time spent by cargo awaiting departure of next mode of transport (road or rail)	NUM	<input type="text" value="option1"/> hours

Customs Procedures

25	Entry/Exit Summary declaration (ENS/EXS)	YES/NO	<input type="text" value="YES"/>
26	Electronic Customs Declaration (SAD)	YES/NO	<input type="text" value="YES"/>
27	Economic Operator Registration and Identification (EORI)	YES/NO	<input type="text" value="YES"/>
28	Authorized Economic Operator (AEO) programme	YES/NO	<input type="text" value="YES"/>
29	Time required for goods clearance	YES/NO	<input type="text" value="YES"/>

Sustainability/Security

30	Environmental Management System (ISO 14001)	YES/NO	<input type="text" value="YES"/>
31	Compliance with ISPS	YES/NO	<input type="text" value="YES"/>

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- Benchmark score of each port will be available, but only to the registered user
- Future options:
 - for GIS representation of relevant scoring
 - for establishing an “Award of Port Performance Excellence”



Further steps



- Layout and content of sections is mostly completed, but constant monitoring and updating of information are required.
- Ways to assure operation of the observatory after the end of the project are also being explored.



MEDNET Partners



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CENTRO DE INNOVACIÓN DEL TRANSPORTE



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Thank you for your attention!



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P R O J E C T



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