

**Θέμα:** Fwd: έκθεση για EMC Madrid

**Από:** Διεύθυνση Θεμάτων Ευρωπαϊκής Ένωσης & Διεθνών Σχέσεων <greok@central.tee.gr>

**Ημερομηνία:** 19/6/2017 10:06 πμ

**Προς:** tee@central.tee.gr

----- Forwarded Message -----

**Θέμα:** έκθεση για EMC Madrid

**Ημερομηνία:** Sat, 17 Jun 2017 09:40:55 +0300

**Από:** Aris Chatzidakis <chatzidakisaris@gmail.com>

**Προς:** ΤΕΕ Δ/ΝΣΗ ΘΕΕ & ΔΙΕΘΝΩΝ ΣΧΕΣΕΩΝ ΤΕΕ <greok@central.tee.gr>

Αγαπητοί συνάδελφοι

Σας στέλνω την έκθεσή μου για τις εργασίες της EMC στη Μαδρίτη και την συνάντηση των χωρών της περιφέρειας του Νότου της FEANI.

Συναδελφικά  
Αρης



Απαλλαγμένο από ιούς. [www.avast.com](http://www.avast.com)

— Συνημμένα: —

ΕΚΘΕΣΗ ΓΙΑ FEANI 23-25 ΜΑΙΟΥ 2017.docx	397 KB
Συνημμένο 3.pdf	363 KB
Συνημμένο1 153 EMC 308 Draft Minutes sent 7 June.d%6	81,1 KB
Συνημμένο2 Invitación_ Skills for European Engine %3	347 KB
Συνημμένο4 170525 FEANI SRM C Loureiro Draft.docx	87,3 KB
Συνημμένο5 170525 FEANI SRM Rita Heissner.docx	48,3 KB

## ΕΚΘΕΣΗ ΓΙΑ ΤΗΝ 153<sup>η</sup> ΣΥΝΕΔΡΙΑΣΗ ΤΗΣ EMC FEANI ΣΤΗΝ ΜΑΔΡΙΤΗ ΚΑΙ ΤΗΝ ΣΥΜΜΕΤΟΧΗ ΜΟΥ ΣΤΗΝ ΣΥΝΕΔΡΙΑΣΗ ΤΗΣ ΠΕΡΙΦΕΡΕΙΑΚΗΣ ΕΠΙΤΡΟΠΗΣ ΤΩΝ ΧΩΡΩΝ ΤΟΥ ΝΟΤΟΥ ΤΗΣ FEANI

### A. η Συνεδρίαση της EMC

Η συνεδρίαση της EMC έγινε στα γραφεία του Instituto di engenharia της Μαδρίτης που είναι το επιμελητήριο που ρυθμίζει τα επαγγέλματα των μηχανικών πλην πολιτικών και αρχιτεκτόνων που έχουν δικούς τους θεσμούς. Η συνεδριάσεις έγιναν στις 23 το απόγευμα και στις 24/5 το πρωί.

Τα θέματα της EMC ήταν τα συνήθη όπως εγκρίσεις των αιτήσεων για την απονομή του τίτλου EUR ING, οι ενημερώσεις του INDEX και η πρόσδος της κοινής ηλεκτρονικής πρόσβασης στην βάση δεδομένων τόσο του INDEX της FEANI όσο και EUR-ACE.

Σε ότι αφορά την ενημέρωση των σχολών που περιλαμβάνονται στην Ελληνική λίστα που είχαμε υποβάλλει προς έγκριση η αρμόδια ομάδα εργασίας ενημέρωσε ότι εγκρίνεται με εξαίρεση δύο σχολές με αριθμό καταλόγου 25 και 30 για τις οποίες θα ζητηθούν πρόσθετες διευκρινήσεις γιατί η ομάδα εργασίας θεωρεί ότι περιλαμβάνουν λίγα μη τεχνικά μαθήματα. Αποφασίστηκε επίσης το κόστος του τίτλου EUR ING να γίνει 165 Ε από 140 Ε που είναι σήμερα.

Σημαντικό είναι ακόμα ότι μετά και την αποδοχή της Τουρκίας σαν μέλους της FEANI αυτή έρχεται στην ομάδα των κρατών που είναι υπό την εποπτεία μου ως Ambassador. Έτσι οι χώρες που μέσω του θεσμού του είναι υπό την εποπτεία του TEE είναι η Κύπρος η Τουρκία και το Καζαχστάν. Ας δούμε την δυνατότητα ανάπτυξης παραπέρα σχέσεων με αφορμή αυτό. Σε σχέση με την Τουρκία θα πρέπει να της δοθεί βοήθεια ώστε να οργανώσει την Εθνική της Επιτροπή.

Σημαντική ήταν επίσης η παρουσία και η παρουσίαση εκπροσώπου της φοιτητικής οργάνωσης μηχανικών **BEST (Board of European Students of Technology)** στα πλαίσια της προσπάθειας σύνδεσης της FEANI με τις δράσεις των φοιτητικών οργανώσεων

Επισυνάπτονται τα πρακτικά της συνεδρίασης της EMC. Συνημμένο 1

## **B. Οι εκδηλώσεις της Περιφερειακής Επιτροπής των χωρών του Νότου.**

Στα πλαίσια της περιφερειακής Επιτροπής είχαμε ένα στρογγυλό τραπέζι που έγινε το απόγευμα της 24<sup>ης</sup> Μαΐου και μια κοινή συνεδρίαση με την Εθνική Επιτροπή της Ισπανίας που έγινε το πρωί της 25<sup>ης</sup>.

Το στρογγυλό τραπέζι είχε τίτλο Skills for European Engineering Professionals.

Τα θέματα του είχαν την πολιτική industry 4.0, τα θέματα της εξοικονόμησης ενέργειας και τα επαγγελματικά προφίλ των μηχανικών σε μια ψηφιοποιημένη κοινωνία.

Εγώ εκπροσώπησα το ΤΕΕ στο πρώτο θέμα όπου έθεσα τα ζητήματα της ψηφιοποίησης του χώρου των κατασκευών και τις προσπάθειες για επεξεργασία σύνθετου λογισμικού BIM Building Information Modeling για την ενσωμάτωση σε ενιαία βάση όλων των τεχνικών, οικονομικών και χρονικών πληροφοριών που αφορούν ένα έργο.



Φωτογραφία από την εκδήλωση

Το πρόγραμμα της ημερίδας επισυνάπτεται . Συνημμένο 2.

Την επομένη συνεδρίασε η περιφερειακή Επιτροπή των χωρών του Νότου στο Instituto de la Ingenieria de Esprana με θέματα γύρω από την λειτουργία και το μέλλον της FEANI. Τα πρακτικά της συζήτησης όπως κρατήθηκαν από την γραμματεία επισυνάπτονται με τα συνημμένα 4 και 5.

Γενική ήταν η διαπίστωση ότι θα πρέπει να ενδυναμωθεί ο ρόλος των Εθνικών Επιτροπών της FEANI και ότι θα πρέπει να μπορεί να προσφέρει πολύ πιο απτές υπηρεσίες στα μέλη

της . Επίσης ότι οι χώρες του Νότου όπου κατά κανόνα το επάγγελμα είναι ρυθμιζόμενο θα πρέπει να δυναμώσουν την φωνή τους στην Γενική Συνέλευση και την όλη λειτουργία της FEANI.



Η συνάντηση της περιφερειακής Επιτροπής των χωρών του Νότου.

Επισυνάπτεται η ατζέντα των θεμάτων της συνάντησης. Συνημμένο 3

17-6-2017

Ο εκπρόσωπος ΤΕΕ

Αριστόδημος Χατζηδάκης

THE PRESIDENTS OF:

INSTITUTO DE LA INGENIERÍA DE ESPAÑA

INSTITUTO DE GRADUADOS EN INGENIERÍA E INGENIEROS TÉCNICOS DE ESPAÑA

y del COMITÉ NACIONAL ESPAÑOL DE LA FEANI

have the pleasure to invite you to the act

24th of May 2017

16:30 to 19:00 hours

# Skills for European Engineering Professionals



COMITÉ NACIONAL ESPAÑOL DE LA FEANI  
SPANISH NATIONAL COMMITTEE OF FEANI

c/ General Arrando, 38

28010 - MADRID

TELF. +34 913084652

email: [inc-feani@iie.es](mailto:inc-feani@iie.es)

ACTO INSTITUCIONAL DE LA INGENIERÍA  
ENGINEERING INSTITUTIONAL ACT

Organized by Spanish Nacional

Committee of FEANI

c/ General Arrando, 38

28010 - Madrid

Entrada libre

Free attendance

Pre-registration

[incfeani@iie.es](mailto:incfeani@iie.es)

Tel: +34 91 308 4652

## PROGRAM:

### 16:30 h. WELCOME and PRESENTATION of the EVENT

- Mr. Mario Bultsán**  
Director General de Industria y de la Pyme  
Ministerio de Economía, Industria y Competitividad
- Mr. Carlos del Álamo Jiménez**  
President of the Instituto de la Ingeniería de España
- Mr. José Javier Medina Muñoz**  
President of the Instituto de Graduales en Ingeniería e Ingeniería Técnica de España  
President of the Spanish National Committee of the FEANI
- Mr. José Vieira**  
President of the FEANI

### MODERATOR of the Event and Round Tables

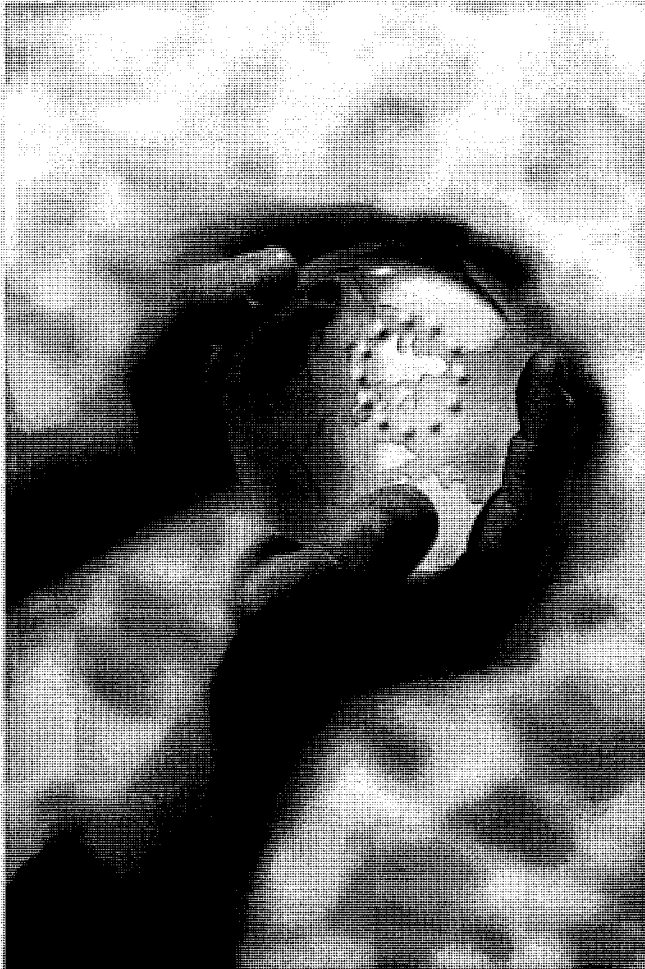
- Mr. Manuel Campo Vidal**  
Spokesman of the Sociedad Civil por el Debate,  
Journalist, Sociologist & Industrial Technical Engineer

### 17:00 h. 1st Round table IMPLEMENTATION OF INDUSTRY 4.0 IN SPAIN AND EUROPE

- Speakers:**
- Mr. Luis Viches Collado**  
President of the Asociación de Ingenieros Navales de España  
Vicepresident of the Instituto de la Ingeniería de España
- Mr. Jaime de Rábago Marín**  
Professor at the Universidad Pontificia de Comillas - Madrid  
Vicepresident of the Asociación Nacional de Ingenieros del CAI
- Mr. Carlos Loureiro**  
President of the Portuguese National Committee of the FEANI
- Mr. Aris Chatzidakis**  
Technical Chamber of Greece

### 17:40 h. 2nd Round table ENERGY EFFICIENCY IN ELECTRICITY MANAGEMENT SYSTEMS IN SPAIN AND EUROPE

- Speakers:**
- Mr. Eduardo Montes**  
President of UNESA
- Mr. José Casas Marín**  
General Manager of Institutional Relations & Regulation of ENDESA
- Mr. Gabriel Henriot**  
Member of European Monitoring Committee of FEANI
- Mr. Stefan Junestränd**  
Director of Congress "Smart Grid", PhD Architect, Swedish



### 18:20 h. 3rd Round table

### DIGITIZATION OF SOCIETY, PROFESSIONAL PROFILES AND EUROPEAN ENGINEERING PROJECTS

- Speakers:**
- Mr. Javier Uceda Antolín**  
Ex-Rector of the Universidad Politécnica de Madrid
- Mr. Víctor Ezequiel Loyola**  
President of Comité Ingenieros y Sociedad de la Información del IIE, Director of IIV, Asesoramiento y Gestión, S.L.
- Mr. Juan Gerardo Muros**  
Secretary of the Comités de I+D+i del IIE  
Comité de Ingeniería y Sociedad de la Información del IIE
- Mr. Lars Funk**  
Head of Department Professor and Society of VDI  
President of the European Monitoring Committee of FEANI

### 19:00 h. Cocktail



FEDERATION EUROPEENNE  
D'ASSOCIATIONS NATIONALES D'INGENIEURS

## COMITÉ NACIONAL ESPAÑOL DE LA FEANI

GENERAL ARRANDO, 38 – 28010 MADRID , ESPAÑA  
TELÉFONO/FAX +34 91 308 4652  
E-MAIL: [SNCFEANI@IIES.ES](mailto:SNCFEANI@IIES.ES)

### DRAFT AGENDA SOUTH REGIONAL MEETING FEANI

Instituto de la Ingeniería de España

(General Arrando, 38 – 28010 Madrid)

Madrid, 25 May 2017

1. Welcome and presentation of participants 09:00 - 09:15 hrs
2. Information and Management of Added Value Flux (Ex. Board, NMF, The General Assembly itself. It is changing at the moment in NMF and General Assembly to fix priorities of the Ex Board works). 09:15 - 09:45 hrs
3. Future of the FEANI: Visibility, economics, strategic project and other resources (Possible introduction of Mr. José Vieira or Mr. Dirk Bochar (10 minutes). 09:45 - 10:15 hrs
4. Recognition: Instruments as EUR ING, or the decline of the Eng. Card, in favour of the European Professional Card. 10:15 - 10:45 hrs
5. Mobility: Comments, Data, implications and effects 10:45 - 11:15 hrs
6. Coffee Break 11:15 - 11:30 hrs
7. Europe Engineers <sup>Europe</sup> net work 11:30 - 12:00 hrs
8. Input and output of engineers & their profession (Vocations, scientific Knowledge and technological advances and employ ability achievements) 12:00 - 12:30 hrs
9. Convergence of databases INDEX/Eur. Ace. Evolution of & Environment Convergence 12:30 - 13:00 hrs
10. Studies, Surveys about our engineers and conclusions obtained on them. 13:00 - 13:30 hrs
11. To close the meeting 13:30 hrs

**Southern Regional Group Southern Regional Group  
Madrid, IIE premises, 25 May 2017, 9.00-13.30 hrs**

**Participants:**

CY: Mr. Andreas THEODOTOU  
ES: Messrs. Juan BLANCO; José MEDINA José RAMIREZ; David SEDANO; Luis TOMAS  
FR: Mr. Gabriel HENRIST  
GR: Mr. Aris CHATZIDAKIS  
PT: Messrs. Carlos LOUREIRO; Jorge MENDES  
FEANI: Prof. José VIEIRA (FEANI President); Mrs. Rita HEISSNER (FEANI Secretariat)

**Meeting documents:**

- Agenda of the meeting
- NMF/25 – ‘The FEANI corporate concern’ (paper from the Nordic countries)
- Document from the PT NM on ‘Regulation in Professional Services’ (mobility)
- Document from the MT NM related to the different agenda points

Based on the agenda, a review of the meeting documents and using the tool of a SWOT analysis, the participants discussed a range of issues related to the added-value of FEANI and benefits to the NMs in the Southern region.

## Meeting Conclusions

### I. SWOT ANALYSIS

**Strengths**

Influence at European bodies;  
Access to European projects;  
Regulation in South Countries.

**Weaknesses**

SOUTH: Tools only for mobility;  
FEANI not known enough ;  
Project benefits not known.

**Opportunities**

International network;  
Official recognition tools;  
Common projects and tools;  
External agreements (EUR-ACE).

**Threats**

Interest only for mobility;  
Member categories.

### II. RECOMENDATIONS

1. Taking advantage of opportunities.

**R1:**Promotion of NM's access to relevant international projects.

**R2:**Development of official recognition tools, such as Chartered Engineer system.



**R3:** Reinforcement of qualification frameworks, projects and tools coming from FEANI common group grounds.

**R4:** Attention to agreements with external countries entities, namely regarding EUR-ACE accreditation system implementations.

## **2. Reinforcing strengths.**

**R5:** Promotion of European presence and potential influence at European bodies.

**R6:** Reinforcement of FEANI capabilities to access projects from European authorities – ensure the sustainability of the organization and its members.

**R7:** Recognition that engineering professional regulation in southern European countries is advantageous for society, in terms of guarantee and identification of the quality of service and formation of professionals.

## **3. Mitigating weaknesses.**

**R8:** Implementation of communication initiatives, in partnership with NMs and with the following objectives:

- To promote the image of FEANI and NM's by industry, labor markets, university and government decision makers:
- To improve professional's information about FEANI's new projects with potential advantages for engineers activities and formation programs and accreditations-

## **4. Preventing threat damages.**

**R9:** In communication actions, also emphasize mobility initiatives (main focus of interest of our members) and other activities (which are also important to focus attention on).

**R10:** Maintenance of a single member category (disagreement with any segmentation by creating categories of active members, occasional members and observer members - voting rights could temporarily be removed in situations of temporary payment problems of NMs), in order to preserve FEANI representativeness.



**DRAFT MINUTES OF THE 153<sup>rd</sup> FEANI  
EUROPEAN MONITORING COMMITTEE (EMC) MEETING**

**153EMC/308**

Status: 1 June 2017

23 May 2017, 13:00-18:30 hrs, 24 May 2017, 9:30-13:00 hrs

**IIE premises, Madrid**

A/D		By
	<p>Present:</p> <p><u>Chair:</u> Mr. L. FUNK (DE)</p> <p><u>Deputy Chairs:</u> Mrs. E. HAUGERUD (NO)</p> <p>Prof. A. SOEIRO (PT)</p> <p><u>Members:</u> Prof. M. BOOTH (UK)</p> <p style="padding-left: 20px;">Mr. G. CARDINALE (IT), on 24 May</p> <p style="padding-left: 20px;">Mr. A. CHATZIDAKIS (GR)</p> <p>Mr. N. ENGLISH (IE)</p> <p style="padding-left: 20px;">Mr. G. HENRIST (FR)</p> <p style="padding-left: 20px;">Dr. M. JAGODIC (SI)</p> <p style="padding-left: 20px;">Prof. G. SCHACHINGER (AT)</p> <p style="padding-left: 20px;">Mr. D. SEDANO (ES)</p> <p style="padding-left: 20px;">Prof. P. THALPARPAN (CH)</p> <p>Prof. C. THOMSEN (DK)</p> <p><u>Guests:</u> Mr. J. MEDINA MUNOZ (ES)</p> <p style="padding-left: 20px;">Mr. Joao RAMOS CLEMENTE, BEST</p> <p style="padding-left: 20px;">Prof. J. VIEIRA, FEANI President</p> <p><u>Secretary:</u> Mrs. R. HEISSNER</p> <p><b>1. Opening and Welcome</b></p> <p>The CHAIR welcomed the meeting participants.</p> <p><b>2. Apologies for Absence</b></p> <p>Apologies were <b>noted</b> from Mrs. M. NORMARK (SE). It was <b>agreed</b> that Mrs. E. HAUGERUD will contact Mrs. M. NORMARK to further follow up about her future availability for EMC meetings and activities.</p>	
1.	<p><b>3. Approval of the Draft Agenda</b> <b>299A</b></p> <p>The agenda was <b>approved</b> with the following modifications:</p> <ul style="list-style-type: none"> <li>- item 9 (report from the ES NM) to be covered at the beginning of the meeting</li> <li>- addition of two points under item 6, related to the license fee for the EUR ING title and a report related to EUR ING special cases in DE.</li> </ul>	EMC
2.	<p><b>4. Approval of the Minutes of the Previous Meeting</b> <b>297</b></p> <p>The minutes of the past meeting were <b>approved</b> without modifications.</p>	EMC
	<p><b>5. Review of the A/D List from the Previous Meeting</b> <b>298A</b></p> <p><i>Item 8 of the A/D list from the 152<sup>nd</sup> meeting/allocation of NMs in regional groups:</i> It was <b>agreed</b> that the respective EMC ambassadors will contact the countries where allocations changed: Mr. D. SEDANO to inform HR (allocation to</p>	



**DRAFT MINUTES OF THE 153<sup>rd</sup> FEANI  
EUROPEAN MONITORING COMMITTEE (EMC) MEETING**

**153EMC/308**

Status: 1 June 2017

23 May 2017, 13:00-18:30 hrs, 24 May 2017, 9:30-13:00 hrs

**IIE premises, Madrid**

A/D		By
	<p>the centre group as wished). Mr. A. SOEIRO to inform UA that they belong to the centre group. The Secretariat will inform the NMs hosting the upcoming regional meetings accordingly.</p> <p>The following new ambassador assignments were <b>agreed</b>:</p> <ul style="list-style-type: none"><li>- Mr. P. THALPARPAN: CH and RS</li><li>- Mr. N. ENGLISH for IE and PL</li><li>- Mr. M. BOOTH for BE and NL</li><li>- Mr. A. SOEIRO for CZ</li><li>- Mr. A. CHATZIDAKIS for TR and KZ</li></ul> <p><i>Item 10 and 11 of the A/D list from the 152<sup>nd</sup> meeting/marketplace activity related to the EMC document 'Professional Status': it was <b>noted</b> that the 3<sup>rd</sup> European Engineers' Day is already scheduled on the day preceding the GA; there will be no space for a 'market place' activity during the ABMs this year.</i></p> <p>It was otherwise <b>noted</b> that the open items of the A/D list would be covered during the meeting.</p> <p><b>6. EUR ING applications</b></p> <p><b>6.1 Checking of applications</b></p> <ul style="list-style-type: none"><li>- 85 applications were checked</li><li>- 84 applications were <b>agreed</b> to be accepted</li><li>- 1 applications were not accepted/deferred</li></ul> <p><b>6.2 Plenary session and review of deferred applications</b></p> <p>It was reminded that for UK and for IE, EMC agreed that proves of engineering experience (employer letters) are not required for EMC checking because the experience verification is made in the framework of the Chartered Engineer registration process. It was <b>noted</b> that for 5.4b special cases specific NMC checking is expected: certification of a minimum of 15 years of professional experience, which is not a requirement for the Chartered title as such.</p> <p><b>6.3 Register – forecast statement</b></p> <p>It was <b>noted</b> that the FEANI budget assumes the award of some 200 EUR ING titles in 2017 which is expected to be met in the three EMC meetings scheduled this year.</p> <p><b>6.4 Proposal from Georg Agricola University</b></p> <p>The CHAIR introduced a proposal from the Georg Agricola University of Applied Science in DE-Bochum, which is included in the INDEX. The University's proposes a cooperation with FEANI for its extra-occupational Master studies in the fields of Mechanical, Electrical and Mining engineering (180 ECTS/3U evening and weekend classes with parallel working experience). The entry requirements foresee that the students already have a related Bachelor degree. It was noted that the programmes are accredited in Germany. EMC <b>agreed</b> that the students when</p>	



**DRAFT MINUTES OF THE 153<sup>rd</sup> FEANI  
EUROPEAN MONITORING COMMITTEE (EMC) MEETING**

**153EMC/308**

Status: 1 June 2017

23 May 2017, 13:00-18:30 hrs, 24 May 2017, 9:30-13:00 hrs

**IIE premises, Madrid**

completing such a Master programme are automatically eligible for the EUR ING title (5.3a), subject to NMC and EMC review of their professional experience. Such cooperations could be envisaged for other Universities and countries with the same programme types.

**6.5 License fee for EUR ING title (new topic)**

The CHAIR reported on a reflection at FEANI to raise the EUR ING fee for NMs from currently EUR 140 to EUR 165. EMC **agreed** to support this proposal.

**6.6 EUR ING special cases in Germany (new topic)**

The EMC CHAIR informed that the German umbrella organization, DVT, were threatened by the German Chambers with legal actions if the EUR ING title is further issued in Germany to 'special cases'. This is motivated by their objective to protect the title of 'Ingenieur' ('engineer'). Upon advice from its lawyer, DVT decided to stop issuing the EUR ING for special cases. Also, a EUR ING (special case) was urged by the Bavarian Chamber to refrain from using the title.

EMC members overall considered that the EUR ING is a FEANI European title. Reference was made to the EQF and the concepts of 'competence' (including 'experience') and LLL. The possibility for German special case applicants to apply with another FEANI NMC was mentioned. The question was posed whether the specific Bavarian EUR ING would need to be removed from the FEANI EUR ING Register. EMC **agreed** to express its concerns in a message to the FEANI Board. This will include a suggestion to bring the issue to the knowledge of the EU Commission.

**7. INDEX updates and INDEX related issues**

**7.1 Issues with regard to the INDEX-EUR-ACE database synergies  
301 + video message**

Based on a written status report and a video message from the IT developer, MES, EMC **noted** the status of the new database and the future NMC 'view' and functionalities. The EMC CHAIR informed that a TF meeting with representatives from both FEANI and ENAEE is scheduled for 6 June to agree on the further steps and timelines. The EMC **agreed** that at this meeting, the EMC CHAIR should advocate for a communiqué to be prepared to explain to both FEANI NMCs and ENAEE agencies the basis and functionalities of the project (one shared database with two distinct portals for FEANI and for ENAEE). It was furthermore suggested that the IT developer prepares a similar description and video for information and consultation of the ENAEE Label Committee related to the 'ENAEE view'.

It was **noted** that NMCs will receive excel sheets with an extract of their INDEX data for checking before being integrated in the new DB, normally during summer.

It was **agreed** to circulate the link of the video to the EMC members. EMC members are invited to contact Mr. K. DE WEVER to volunteer for further testing of the tool.



**DRAFT MINUTES OF THE 153<sup>rd</sup> FEANI  
EUROPEAN MONITORING COMMITTEE (EMC) MEETING**

**153EMC/308**

Status: 1 June 2017

23 May 2017, 13:00-18:30 hrs, 24 May 2017, 9:30-13:00 hrs

**IIE premises, Madrid**

As for interfaces between national databases and the new INDEX, it was **noted** that this could be discussed in a next separate step with countries with big amounts of data, e.g. UK and FR. Prerequisites would include that

- the NM has an accurate database
- the data is subdivided into current and historical data
- full replacement of the previous data by the new data for the INDEX is accepted.

### **7.2 INDEX programme submissions**

**UA**(WG Soeiro, Jagodic): the WG Chair reported that an email with a new programme submission was received the day of the EMC meeting. It was **agreed** that the WG prepares a recommendation for the next EMC meeting.

**GR**(WG Thomsen, EMC Chair), **302**: EMC **agreed** to accept all pending programmes submissions, except for two programmes where more clarification about basic science content will be sought: 'Undergraduate Faculty of Engineering' at Aristotle University of Thessaloniki and 'Information and Communication Systems Engineering' at University of the Aegan.

**SK, 303**: Two of the three submitted programmes (Security Engineering at University of Zilina and Environmental and Manufacturing Techniques at Technical University in Zvolen) were **agreed** for inclusion in the FEANI INDEX. For the programme Technical Engineering at Slovak University of Agriculture in Nitra (school not yet in the INDEX) it was **agreed** to set up a new WG consisting of Messrs. M. JAGODIC and D. SEDANO. They will prepare a recommendation for the next EMC meeting.

### **7.3 Status and next steps for more automatic INDEX updating permissions 304**

14 NM have so far obtained "automatic INDEX updating permission": AT, BE, BG, DE, DK, EE, ES, FI, FR, HR, IE, IS, NO and PT. It was **noted** that automatic INDEX updating permissions will expire for IE in 09/2018 and for FI in 12/2018 and need to be renewed. With the goal to increase the number of countries to use this way of facilitated INDEX updating, the following tasks were **agreed**:

- ambassadors: contact the respective countries; follow up with them countries; report at each EMC meeting
- Secretary: provide a list on the numbers of INDEX updates per country for each EMC meeting
- EMC CHAIR: include the INDEX updating information in the annual EMC report to the GA

It was suggested that the automatic INDEX updating possibility could also be included in the information to NMs on the INDEX-EUR-ACE database convergence.

### **7.4 New NM from Turkey (TMMOB)**



**DRAFT MINUTES OF THE 153<sup>rd</sup> FEANI  
EUROPEAN MONITORING COMMITTEE (EMC) MEETING**

**153EMC/308**

Status: 1 June 2017

23 May 2017, 13:00-18:30 hrs, 24 May 2017, 9:30-13:00 hrs

**IIE premises, Madrid**

It was **agreed** that a WG consisting of the EMC CHAIR and the EMC Secretary will visit TMMOB for a providing guidance for setting up of an NMC and on the procedures and conditions for INDEX submissions and for EUR ING validations. It was noted that the ambassador for TR, Mr. A. CHATZIDAKIS, will also take contact with TMMOB representatives in the framework of the upcoming conference of the European Council of Civil Engineers in early June.

**8. Presentation from BEST (Board of European Students of Technology)**

Mr. J. RAMOS CLEMENTE presented BEST structures, activities and cooperations was well received and **noted**. This included BEST's events, networking and website developments.

**9. Report from ES related to the engineering education and profession in Spain**

Mr. J. MEDINA, President of the ES NMC and of INGITE as well as Mr. D. SEDANO gave an introduction to the different aspects of engineering in the Spanish context. In the following Q&A session, the following challenges were put forward: positioning the utility and added value of professional bodies, investigating on new models for the young generation for mobility and for recognition and addressing the trend of young Spanish engineers going abroad for career and for salary reasons. This was **noted**.

**10. CALOHEE project report**

Mr. A. SOEIRO gave a status report about the TUNING CALOHEE project on 'Measuring and Comparing Achievements of Learning Outcomes in Higher Education in Europe'. Prof. A. SQUARZONI and A. SOEIRO are the coordinators for the Civil Engineering area. It was **noted** that a questionnaire with the draft project outcomes will be sent to FEANI and other stakeholders by end of June. A report about the results will be made at the next EMC meeting.

**11. EMC activities**

**11.1 ENAEE comments to the document The Professional status of the Engineer in Europe - 305**

ENAEE had been invited by the Sec Gen for comments to the EMC document on 'The Professional status of the Engineer in Europe'. ENAEE's written Note was furthermore considered at a joint meeting with FEANI and ENAEE representatives on 26 April.

It was **agreed** to set up a new EMC WG, consisting of Mrs. E. HAUGERUD, G. SCHACHINGER, Mr. A. SOEIRO and the EMC CHAIR, to prepare a EMC



**DRAFT MINUTES OF THE 153<sup>rd</sup> FEANI  
EUROPEAN MONITORING COMMITTEE (EMC) MEETING**

**153EMC/308**

Status: 1 June 2017

23 May 2017, 13:00-18:30 hrs, 24 May 2017, 9:30-13:00 hrs

**IIE premises, Madrid**

recommenation to the FEANI ExBo for a FEANI policy paper. This will include the following aspects:

- clarification of the purpose of the document: to investigate onthe situation and important topics related to the professional status of engineers with recommendations for FEANI actions (not a European-wide survey)
- condideration and follow-up of the 8 recommendations madeas per the Executive Board request, e.g. the stakeholder matrix
- consideration of the ENAEE comments, e.g. on the importance of accreditation bodies in each country for quality assurance and on references

**11.2 Engineering Card OMP annual report  
306**

The Overall Monitoring Panel (OMP) report compiled by the OMP Chair, Mr. A. SOEIRO, summarizes the situation of Engineering Card implementations in 2016 in 11 countries. This shows an overall decreasing trend. As in the previous year, only a few countries who signed the Engineering Card Agreement with FEANI were active. 92 Cards were issued, mainly in DE, HR, PL and SI. For 2017, some 330 Cards are forecasted.EMC **agreed** to the annual report. It will be included in the EMC report to the GA on 6 October 2017.

**11.3 ENAEE comments to the EUR ING criteria  
307**

ENAEE had been invitedby the Sec Genfor comments to the EUR ING professional title. Their written Note was furthermore considered at a joint meeting with FEANI and ENAEE representatives on 26 April.A main recommendation isto separate the title into‘EUR ING Bachelor’ and ‘EUR ING Master’, aligned with the Bologna process.

The EMC **agreed** to recommend to the FEANI Executive Board to keep the EUR ING professional title as one title and not to separate into Bachelor and Master titles This would position the EUR ING brand and demonstrate the EUR ING spirit of recognizing competences of a professional engineer.EMC **noted** that the EUR ING Parchment already specifies in a subtitle whether the EUR ING title was obtained on the basis of a FCD or SCD degree.

**11.4 Concept for bringing the EUR ING and the Engineering Card together**

EMC members confirmed itsprevious support for joining the two ‘products’. The EUR ING was considered as a specific added value vs. other Card initiatives.

It was **agreed** to seek input on a possible future-proof concept from students and young engineers via BEST. On the basis of the previous draft proposal from the EMC CHAIR of May 2016, Mr. A. SOEIRO will prepare a briefing and questions. This will be sent to Mr. J. RAMOS CLEMENTE who will ensure consultation within BEST. It was **agreed** that a new WG consisting of Mr. A. SOEIRO (Chair) and Messrs. M. BOOTH and A. CHATZIDAKIS as well as a BEST representative



**DRAFT MINUTES OF THE 153<sup>rd</sup> FEANI  
EUROPEAN MONITORING COMMITTEE (EMC) MEETING**

**153EMC/308**

Status: 1 June 2017

23 May 2017, 13:00-18:30 hrs, 24 May 2017, 9:30-13:00 hrs

**IIE premises, Madrid**

(name to be confirmed by BEST) will then consider the results for a report to the EMC and subsequent recommendation to the FEANI ExBo.

**12. Verbal report about the past FEANI Board meeting and FEANI central secretariat activities**

The FEANI President, Mr. J. VIEIRA, informed about the main topics of the past FEANI Executive Board meeting that was partly joined by ENAEE representatives. This included a number of on-going activities to strengthen FEANI's voice for the engineers: concepts of an Industry Advisory Group, Engineers Europe, the new database as well as the organization of the 3<sup>rd</sup> Engineers' Day in Vienna on 5 October 2017 in partnership with ECEC and ECCE. The report was **noted**.

**13. Verbal report about the status of ECEC's CTF project**

It was **noted** that the project results for a Common Training Framework for engineers were submitted by ECEC to the EU Commission at the end of 2016 and that so far there were no news nor further activities.

**14. Verbal report about a meeting on 26/04 with BUSINESSEUROPE's WG on Education**

Messrs. A. SOEIRO, L. FUNK and the FEANI SG, Mr. D. BOCHAR, had met with the BUSINESSEUROPE WG on Education on 26 April 2017 where the setting up of an Industry Advisory Group with other stakeholders from industry was presented. Also, FEANI had been invited to give a speech at the European Business Summit (EBS) on 22 May 2017. This was **noted**.

**15. Next meeting dates and locations**

The following dates and locations were **agreed** (meetings to start at 14.00 hrs on the first day and end at 13.00 hrs on the second day; when at NM premises, they include a presentation from the NM regarding the engineering education and profession):

- 14-15 September 2017, Rome:
- 7-8 December 2017, Brussels

**16. Any other business/any other information**

**Upcoming EMC Vacancies:** It was **noted** that the first terms of the following EMC members will expire this year and that respective NMs are invited to send (re-) nominations: Mr. M. BOOTH (10/2017), Mr. D. SEDANO (12/2017), Mrs. E. HAUGERUD (12/2017) as well as the EMC CHAIR (05/2017). Mr. M. JAGODIC's term expired with this EMC meeting. He will join the September EMC meeting as a guest, together with a Slovenian colleague who will be nominated by SI as his successor.

**Agenda of the next EMC meeting:** The following topics will be included:

- EP document 'The new Skills Agenda'





**DRAFT MINUTES OF THE 153<sup>rd</sup> FEANI  
EUROPEAN MONITORING COMMITTEE (EMC) MEETING**  
23 May 2017, 13:00-18:30 hrs, 24 May 2017, 9:30-13:00 hrs  
**IIE premises, Madrid**

**153EMC/308**  
Status: 1 June 2017

	<p>- presentation on the new Law on Engineering in AT (G. SCHACHINGER)</p> <p><b>17. Closure of the the meeting</b></p> <p>The CHAIR closed the meeting and thanked all participants for their contributions and the Spanish host for the perfect organization of the meeting.</p>	
--	--	--



Input for  
**Report from the meeting of the Southern Regional Group,  
Madrid, IIE premises, 25 May 2017, 9.00-13.30 hrs**

**Participants:**

CY: Mr. Andreas THEODOTOU  
ES: Messrs. Juan BLANCO; José MEDINA José RAMIREZ; David SEDANO; José M. THOMAS  
FR: Mr. Gabriel HENRIST  
GR: Mr. Aris CHATZIDAKIS  
PT: Messrs. Carlos LOUREIRO; George MENDEZ  
FEANI: Prof. J. VIEIRA (FEANI President); Mrs. Rita HEISSNER (FEANI Secretariat)

**Meeting documents:**

- Agenda of the meeting
- NMF/25 – ‘The FEANI corporate concern’ (paper from the Nordic countries)
- Document from the PT NM on ‘Regulation in Professional Services’ (mobility)
- Document from the MT NM related to the different agenda points

Based on the agenda, a review of the meeting documents and using the tool of a SWOT analysis, the participants discussed a range of issues related to the added-value of FEANI and benefits to the NMs in the Southern region.

**I. SWOT Analysis**

Strengths

European presence and potential influence at European bodies.
FEANI capabilities of access to projects from European authorities – ensure the sustainability of the organization and its members.
In the Southern countries, the regulation of the engineering functions and ethical codes is an advantage for the society: to guarantee and identify the quality of service and formation of professionals and their adaptation to new technologies (not so competitive).
FEANI is the most comprehensive body to bring together professional engineering organizations.
The FEANI INDEX is a valuable tool and the convergence with the EUR-ACE label database is welcomed.

Weaknesses

Regulation in Southern countries → no strong demand for FEANI mobility and recognition tools (in particular EUR ING, Engineering Card).
FEANI tools could not help mobility of independent professionals (still checked case by case). However, there are no mobility problem for major companies.
FEANI is not sufficiently known by industry, labor markets, university and government decision makers

Opportunities

Access to international projects through the FEANI network (common schemes).
Have tools of official recognition, such as the Chartered Engineer system.



Qualification frameworks, projects and tools coming from FEANI common group grounds.
--

Some 15% of young graduates go abroad (Europe and worldwide) for their first job.
---

Threats

No interest from the engineers who are not involved in mobility.
--

Different categories of members could destroy FEANI's common model.
---

Non-payment of some members; the funding schemes of some Southern NMs as well as the general economic climate are different than in other FEANI regions.
--

Different situations in the countries regarding unemployment. Tendency that
---

- |   |
|---|
| <ul style="list-style-type: none"> <li>- salary for young engineers is low vs. the complexity and difficulty of studies.</li> <li>- companies in the South pay significantly less than in the North.</li> <li>- big companies look for specialists, small ones for generalists (need for both).</li> <li>- new profiles of engineers, e.g. data scientists, emerged.</li> <li>- social prestige of engineers is decreasing</li> </ul> |
|---|

**II. Results and further Recommendations from the discussions**

**1. Information and management of added value flux**

**Recommendations:**

- Be present in Brussels and follow EU Commission's initiatives and provide input on the basis of the diversity of NMs situations.
- Use the NMF as an important platform for networking and exchange, which is a value as such.

**2. Future of FEANI: visibility, economic, strategic project and other resources**

**Recommendations:**

- Have a framework and communication flexible enough to address the diversity of NMs and different practices to ensure social security, quality of infrastructure, security: EU 'deregulation' policy does not address this equally.
- Position FEANI and its NMs as the bodies to focus on the defense of the social and economic contributions of engineering and engineers and to benefit from reforms (and not other professional or economic sectors).
- Set up a list of benefits of FEANI by product or initiative (e.g. EUR ING; Engineers Europe..): what is in for the NMs, with a view on the benefits for their individual members.
- Ensure transparency on the deployment of the FEANI membership fees payments.
- Maintain the unique level of membership for the NMs.
- Acknowledge temporary payment problems of NMs - seek to keep wide membership but be rigorous. Voting rights could temporarily be removed.
- Investigate and possibly adjust assignment of number of shares (per capita).
- Initiate a 'FEANI day' – to be organized annually on a national (or group) level, possibly in conjunction with a national event, including other stakeholders (university, students, industry)
- Re-initiative the 'Young Engineers Forum' (in cooperation with BEST and EYE).

**3. Recognition instruments: EUR ING, Engineering Card vs. European Professional Card**

**Recommendations:**

- Keep FEANI 'products' EUR ING and Engineering Card as they are (no need for reform).

- Reflect whether renewal schemes can increase the usefulness of the tools: look at UK renewal scheme, keeping in mind that such a system would be demanding for backoffice of FEANI and NMs.
- Highlight the potential advantages for individual engineers' activities, formation programs and accreditations.
- Look at Chartered and EUR-ACE systems.
- Have agreements with countries with accreditation systems in force (as may be the EUR-ACE implementation), in order to create schemes of recognition certification initiatives.
- Support the 'competence'-based approach (formation).
- Do not embark on a 'European Professional Card' concept at this stage.

#### 4. Mobility: comments, data, implications, effects

##### Recommendations:

- Benefit from the acceptance of the EUR ING in the middle east region.
- Take into account initiatives related to 'professional career plan'.

#### 5. Engineers Europe network

##### Recommendations

- Interact further with ENAEE (label respected in South America, Africa..) as well as with Industry (share information coming from an Industry Advisory group).
- Connect to other EU projects, e.g. in the Construction Sector (BIM).

#### 6. Input and output of engineers and their profession

##### Recommendations:

- Address CTF and CPD (LLL) in the FEANI systems.
- Engage in the topic of 'education': address skills mismatch.
- Advocate for the image of the engineer in society.
- Advocate for the attractiveness of engineering studies/topics.

#### 7. FEANI INDEX; Convergence of the INDEX and the ENAEE EUR-ACE databases

##### Recommendations:

- Circulate background information about the convergence of the FEANI-ENAEE databases.
- Propose a 'Certificate for schools (programmes) in the INDEX' as a source of income for NMs and FEANI ((ref. the template proposed by EMC, ref. Annex to NMC handbook)).

#### 8. Studies and surveys on engineers

##### Recommendations:

- Gather data related to the engineering profession (NMs to provide input, e.g. on the document 'Professional Status of the Engineer').

#### 9. Closure of the meeting

##### Recommendations:

- Structure Southern FEANI-related activities and input to FEANI through the creation of a (rotating) 'Permanent Secretariat' of the Southern group; start with the NM in ES.
- Hold an annual Southern regional meeting: 2017 possibly in CY or ES or another group member ready to host (location and date to be confirmed by July).