Overview: APEC Seminar on Computational Thinking Curriculum for the Digital Economy

Inclusive Mathematics for Sustainability in a Digital Economy (InMside)

Project Overseers:

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Demands and Target

Demands of APEC 2019
   Digital Society, Sustainable Growth, Integration 4.0, and Inclusive Growth

Demands of Edu-NET for 2030
   Sharing the standers of human capital and its development

Target of InMside (2019: Senior Secondary, 2020: Junior Secondary, 2021: Primary)
   ➢Training the curriculum specialists on Informatics and Statistics for their necessary curricula reforms on these demands.
   ➢Developing Recommendation to APEC for their Curricula reforms
   ➢Establishment of Curriculum Specialists Network

Project Cycle

Training Seminar
By using APEC grants and Self funds
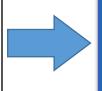
Chile/Malaysia/New Zealand

Report to APEC Edu-Net

Establishment of Trends

Report to Your Economy

Curriculum Specialists Network

Draft of Discussion Documents

Assignments

Draft of Recommendations for Your Reform

Exemplar

Steering (Research) Meeting
Self-funds
Japan

Synthesis Meeting

Self-funds
Thailand

Recommendations to APEC Edu-Net

Establishment of Movements

Recommendations to Your Economy

What is the Role of US?
Establishment of new visons for Informatics and Statistics Education

Role of Discussion Documents:
- ➢ Trying to show the perspectives for the era of AI and Big Data
- ➢ Beyond and overcoming current existed issues

Your Roles:
- ➢ Provide and produce your vision (keynotes) or your economy's vision (delegates).
- ➢ Delegates:
  - Explain your curriculum standards with focusing on Basic Framework, Content and Sequence
  - Exemplar: Do not explain just the methods of teaching but explain
  - "teaching materials = content +objective under the curriculum sequence"
  - Explain what are missing in your curriculum in relation to discussion documents.
  - What are your **recommendations** and challenges for the Next Curriculum Reform. Teacher training is always necessary however do you have the perspectives for the training for newest issues?
  - Please write down your presentation within two pages in A4.

Your presentations are recorded and your presentation file will be up loaded on the web as for the reports of the seminar.

How do we produce Recommendations to APEC and APEC-Network

- You are the specialists to produce the recommendations and active contributors of APEC network for Informatics and Statistics.

- The major discussions will be the last day: Roberto and Orlando will resume tentative recommendation based on your presentations.

- However let's talk and know each other through the meeting and exchange necessary ideas because this meeting is not the time for new research in the research community but the time for sharing the ideas for future.

- Recommendations may include for what kinds of content and tasks should be included for your next curriculum reform.

- Final draft will be prepared at the middle of August.

- Until final draft, please produce the exemplar with clear objectives.

- At the Thailand meeting, participants must prepare the commentary for the drat and explain it by using exemplar.

Title: Informatics Curriculum in Chile

Name & Affiliations

I. National Standards Framework (the diagram is acceptable)

II. Informatics Curriculum Sequence from Primary to Secondary. (the diagram/ flow map is fine)

III. Informatics for High School

IV. Informatics for High School (continue)

V. Current status for implementation or Next Step (Vision)