

# *Informatics for All* – an overview

Wendy Hall

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# *Informatics for All* Steering Committee

- Chair                    Wendy Hall
- ACM Europe
  - Judith Gal-Ezer, Andrew McGettrick
- Informatics Europe
  - Michael Caspersen, Enrico Nardelli (IE President)
- CEPIS
  - Gerald Futschek, Austeja Trinkunaite / Ulrik Locke
- IFIP (TC3)
  - Don Passey, Mary Webb
  - Advisor Bobby Schnabel

# Background

- *Informatics for All* is a Coalition, consisting presently of ACM Europe, Informatics Europe, CEPIS (the Council of European Professional Informatics Societies), and IFIP (Technical Committee 3 on education)
- Following an extensive survey of the state of Informatics education across Europe, a strategy for *Informatics for All* had been produced and launched.
- See [europe.acm.org](http://europe.acm.org)

# Informatics Education in Europe:

## *Are We All In The Same Boat?*



- Report on the status of Informatics Education, Digital literacy and Teacher training in Europe
- Joint effort of Informatics Europe and ACM Europe Council
- Interactive map [cece-map.informatics-europe.org](http://cece-map.informatics-europe.org)

# Informatics for All

## The strategy

ACM Europe & Informatics Europe  
February 2018



<http://www.informaticsforall.org>

## Two tier strategy

- Informatics has to be seen as an important foundational discipline that should be taught to all students
- Informatics should also be integrated into education of other disciplines in such a way that it leads to a deeper and more meaningful education in these disciplines.
- It supports equality for all, social mobility, education at all levels, the development of the economy of Europe, issues around the Future of Work



**informatics** for all

# 1st Workshop & Rome declaration

- Brussels 20<sup>th</sup> Feb 2019, attended by 50 participants  
[www.informaticsforall.org/2019-brussels-workshop/](http://www.informaticsforall.org/2019-brussels-workshop/)
- Then the Rome declaration was produced  
[www.informaticsforall.org/declaration](http://www.informaticsforall.org/declaration)
- It calls upon all European national and international institutions *to exercise their moral suasion power so that the principles of Informatics are included as part of school curricula at all levels.*
- Available in 12 languages (more to come) and signed by 262 institutions (until now)

# 2nd Workshop

- Held as an online event due to Covid
- *Aim: to demonstrate support for the European Commission in its Informatics education activities by discussing how best the European scientific community can support the EU in moving forward*
- Around 55 participants; again, mainly experts in Informatics education from across Europe

<https://www.informaticsforall.org/2020-workshop/>

# Current Activity

- The Steering Committee members are very conscious of the fact that all countries / educational regions have responsibility for their own curricula
- To provide assistance, the group has decided to embark on producing an Informatics Curriculum Framework for school education
- This has to be seen as being at a higher level than any curriculum document but it should offer guidance and challenge those designing curricula



# Teacher Education

- The education of teachers has been identified as a vitally important topic that Inf4All will have to address with some urgency
- Consideration is being given to a further Workshop where teacher education will form the main agenda item
- Watch this space!!

# The PISA Science framework

- Preliminary work is under way within OECD to scope the new PISA science assessment framework
- *Informatics for All* is represented on the PISA group looking at developing this
- An initial Strategic Vision Report reflected thinking and identified Informatics as a possible novel areas
- Final decision is awaited

# The ITICSE Conference

- The Innovation and Technology in Computer Science Education (ITiCSE) conference, due to take place in Trondheim, Norway on 15-19<sup>th</sup> June 2020, was held virtually
- It was supported by ACM Europe and *Informatics for All*, via best paper award and the doctoral consortium; members of *Informatics for All* serve on the Organizing Committee
- There were 390 registrants; the previous record had been 274 in Aberdeen in 2019