Presentation to
SC 37 / Working Group 3

Pusan, Korea
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IREX Family

IREX = Iris Exchange

Ongoing development of standardized, high performance, interoperable, iris images i.e. support of ISO/IEC 19794-6:20XX

IREX 08

Compact Formats
Compression Limits

IREX 08

- Evaluation of three compact formats
  - UK cropped rectilinear, UK ROI-masked rectilinear, US "unsegmented polar" proposed for 19794-6
- Development of:
  - Compression profiles of JPEG 2000 vs. JPEG

How:

- Measure accuracy (FMR, FNMR, FTE) of algorithms implementing the IREX API
- Using binary data structure – something like the existing Tables 1-4

Images:

- LG 2200, LG 3000, LG 4000, Pier …
- Also NIST is still requesting organizations to contribute other sets of iris images
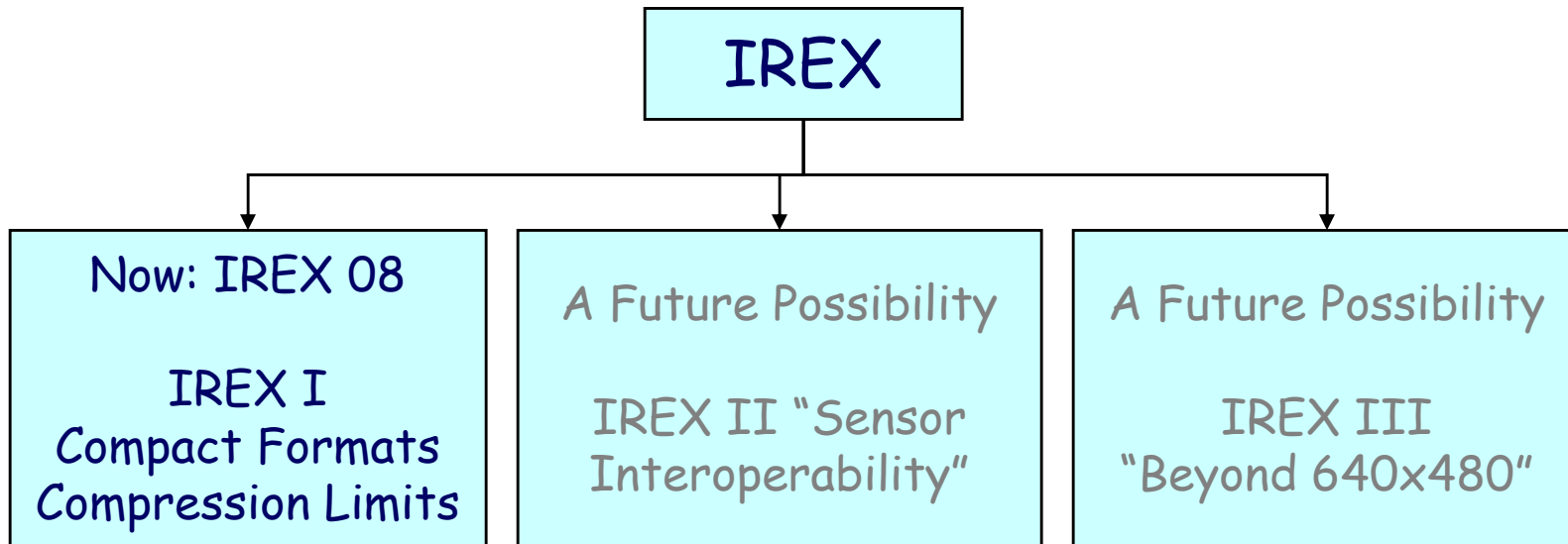
IREX :: Status

Timeline:

- 6/28/08 - Final IREX Test Plan and API released
- 7/2/08 – Deadline for "intention to participate"
- 8/05/08 – Window for submission of SDKs opens
- 9/12/08 – Window for submission of SDKs closes
- Results to WG3 before 1/19/09

Participation:

- Thirteen organizations have indicated intent to participate – this is enough to proceed.
- Participants can withdraw anonymously before September 12.

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| Now: IREX 08

 IREX I
 Compact Formats
 Compression Limits | A Future Possibility

 IREX II "Sensor Interoperability" | A Future Possibility

 IREX III "Beyond 640x480" |

WG3 Direction is Key

For IREX news, FAQ and the final API and concept

http://iris.nist.gov/irex

Suggestions, contributions, questions to:

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