Expression Methods in ART@CMS

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Art@Science

- Art@Science is cooperation of *two* different fields of activity working with harmony

- Objective of project is expression of scientific ideas by different artistic ways

Two concepts of expression:

- DIRECT: composition of scenes which are directly represent scientific ideas
- INDIRECT: expression of scientific ideas by meaning of other event having similar purpose and logic

Direct Scenes : Example #01

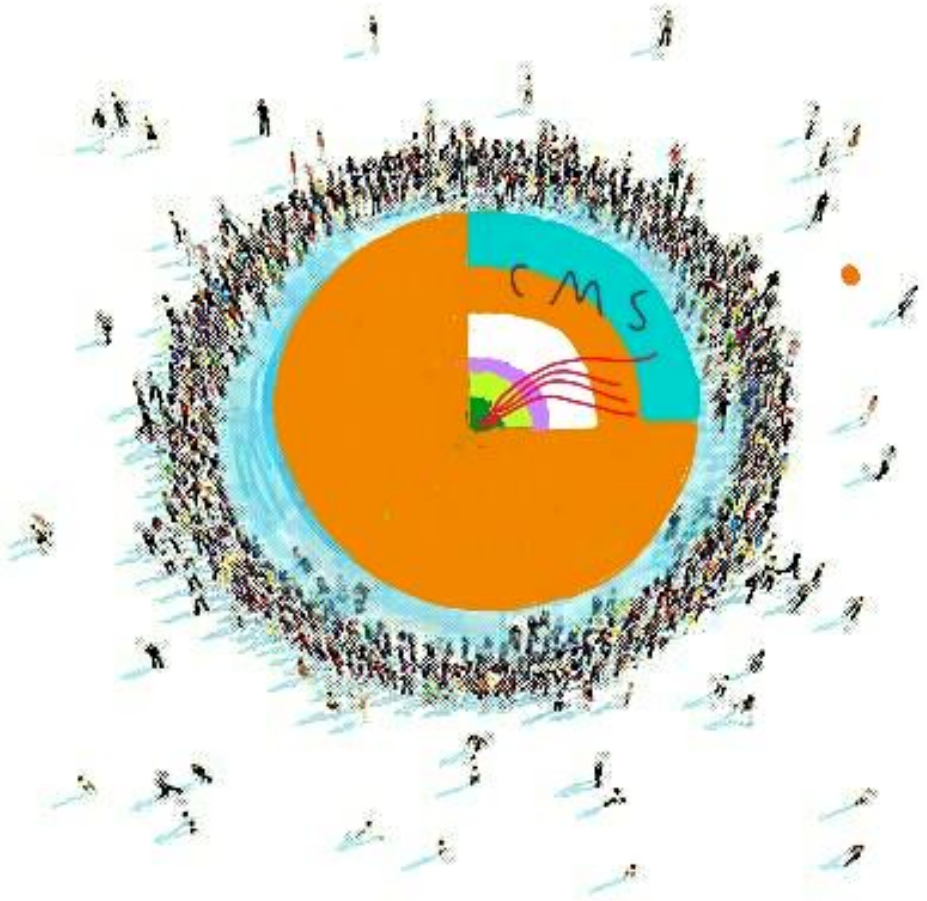
- CERN popular slogan:

  “Collaboration of different countries, institutes and peoples”

Direct Scenes : Example #02

- CERN popular slogan:

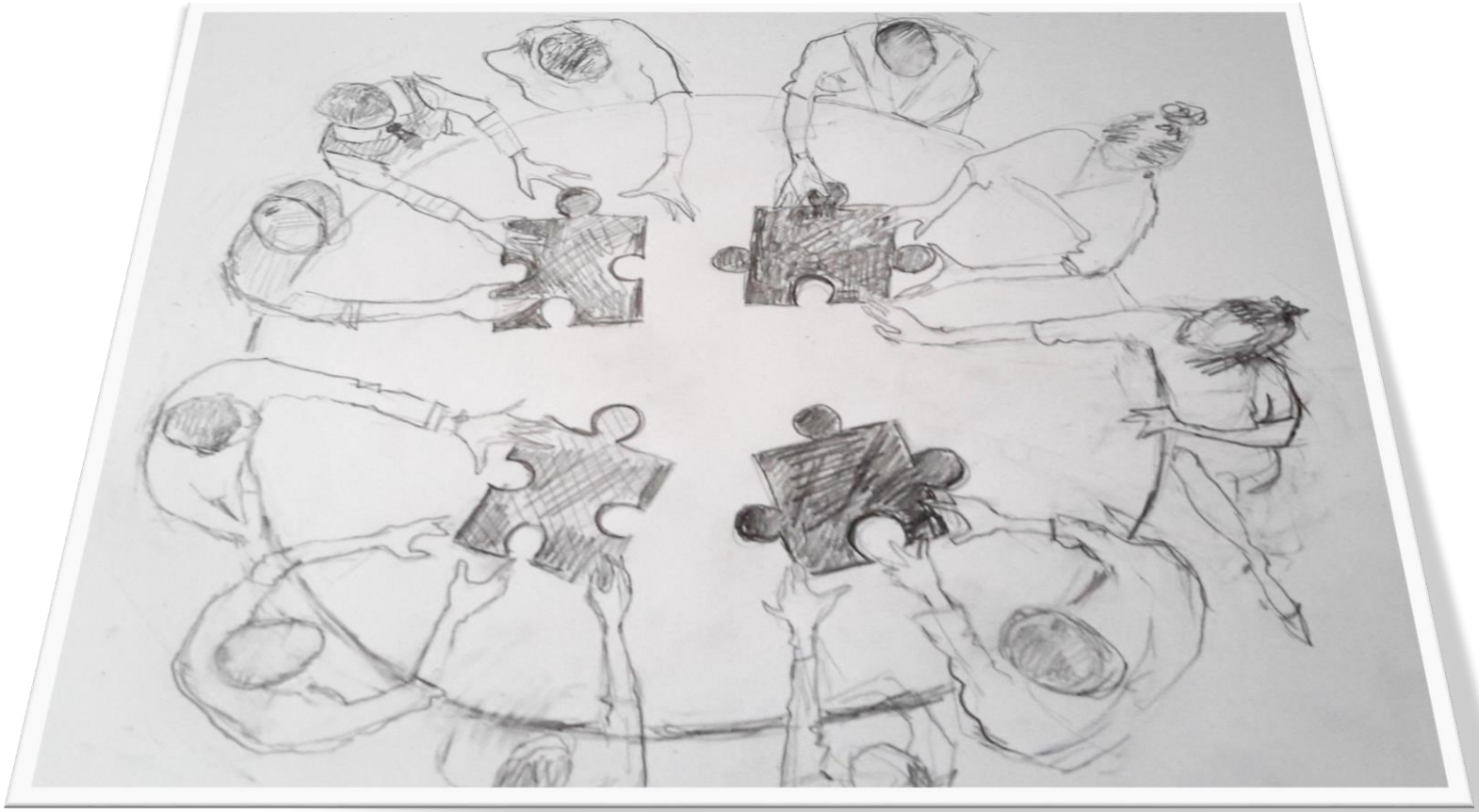
  “4’800 professionals participating in CMS experiment”



Direct Scenes : Example #03

- CERN popular slogan:

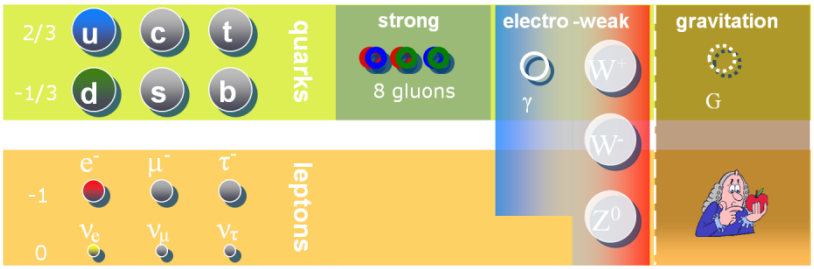
  “Different teams of professionals are working together to find solution”



Indirect expression : Example #01

- CERN popular slogans:

  “Discovery of Higgs Boson”; “Approve of Supersymmetry”



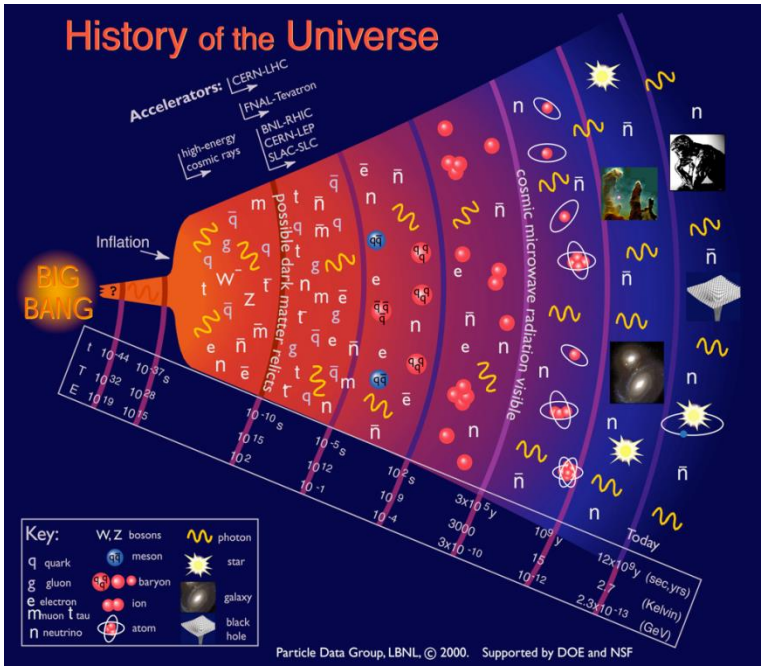
4th of July, 2012 CERN, Discovery event of Higgs boson

Indirect expression : Example #01

Indirect expression : Example #02

- CERN popular slogans:

  “LHC enables watch the micro universe in 10^{-17} centimetre”



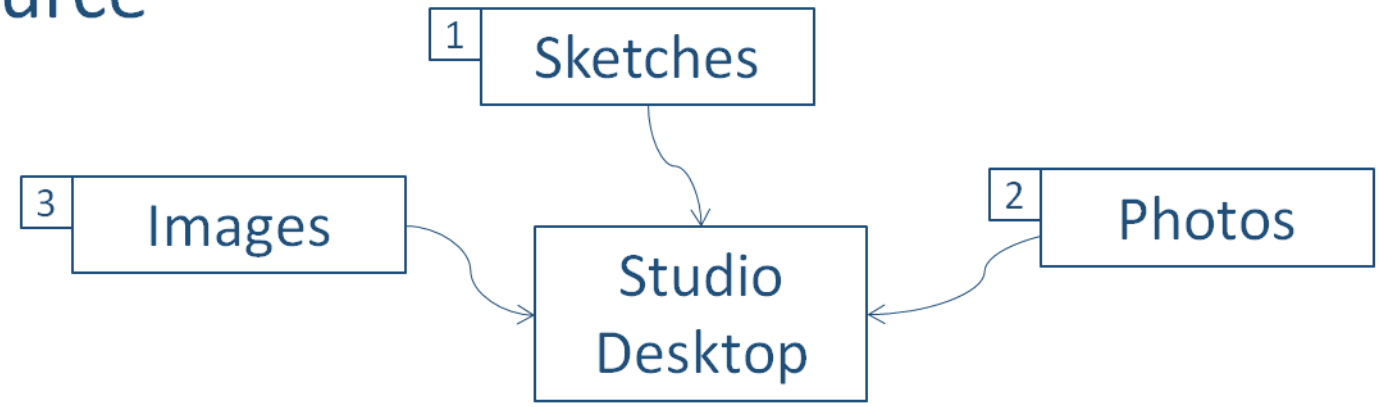
Working Tools and Methodology

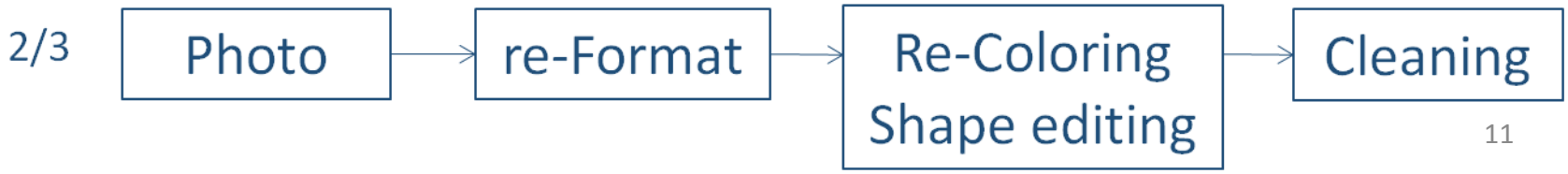
- Art scenes development connected with implementation of *two* main methodologies:
  - e-Painting
  - e-Design

- Also various e-Painting software applications can be used

e-Painting

- Source





e-Painting

- Sketch Processing

Before Cleaning

After Cleaning

- Photo Processing

Source Photo

Interpreted Photo

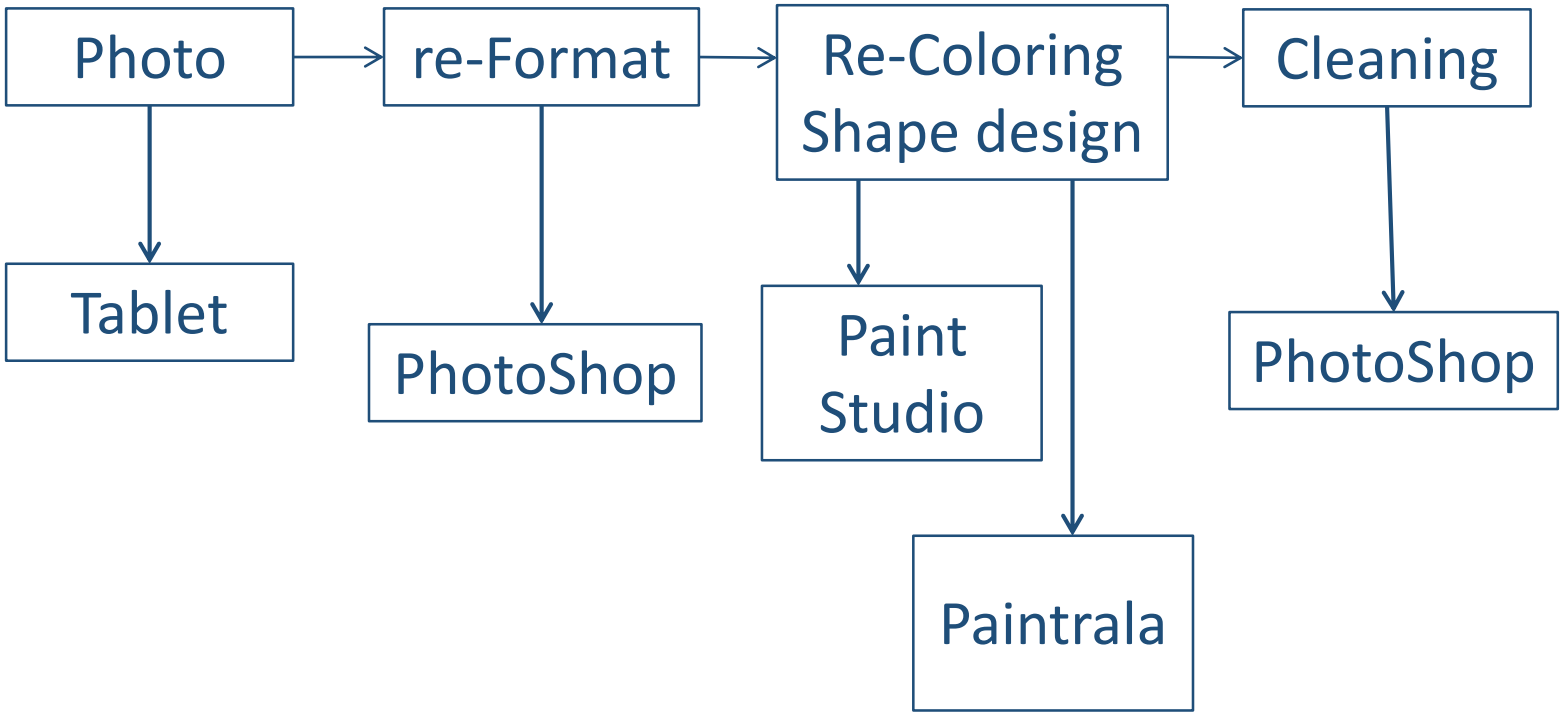
Source Image

Interpreted Image

- Image Processing

e-Painting

- Tools



e-Design Methodology

01 Composition of paper sketch

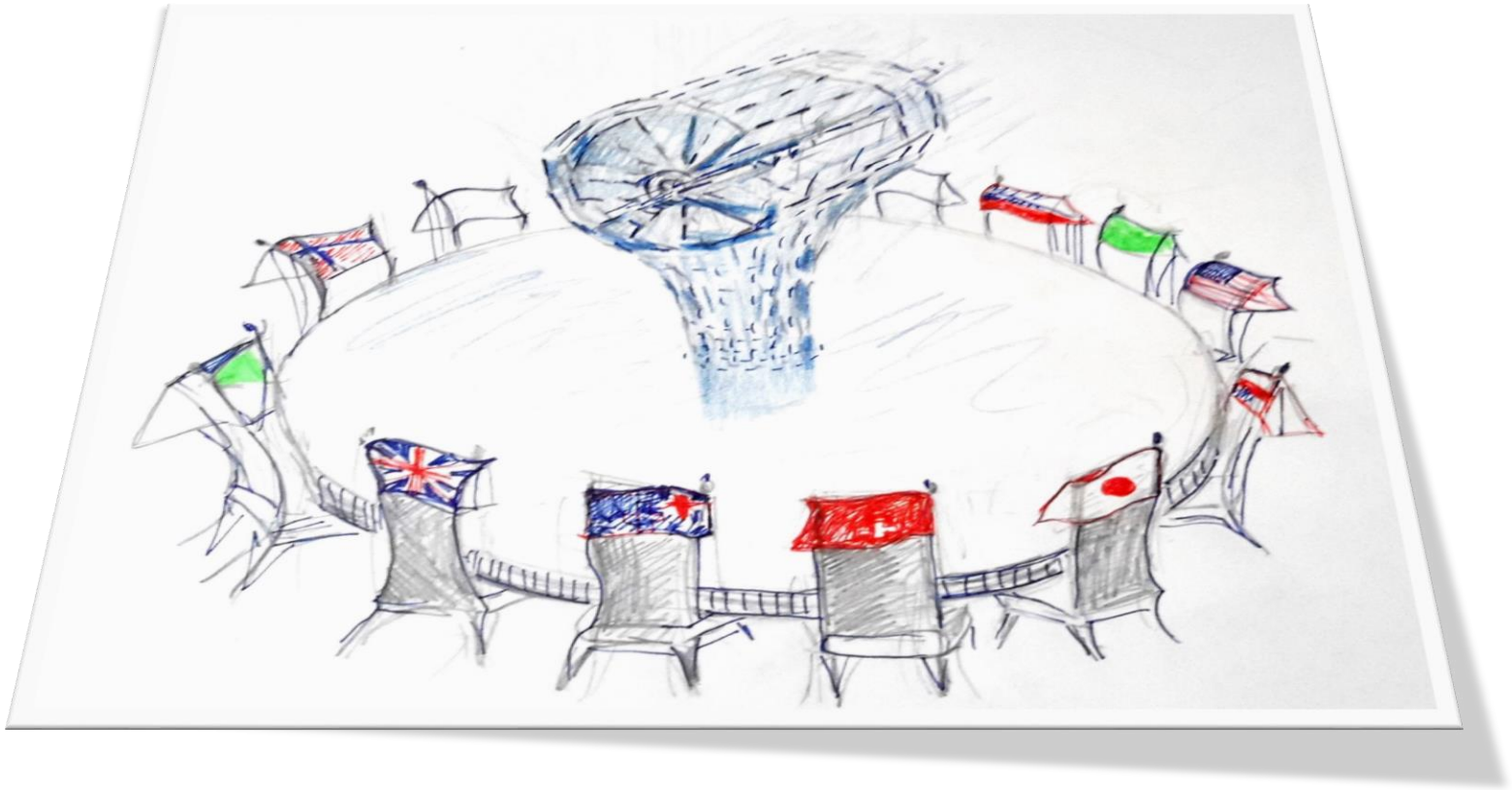
02 Search and Download scene elements from internet

03 Transforming of elements for scene

04 Composition of rough scene

05 Final composition and polishing

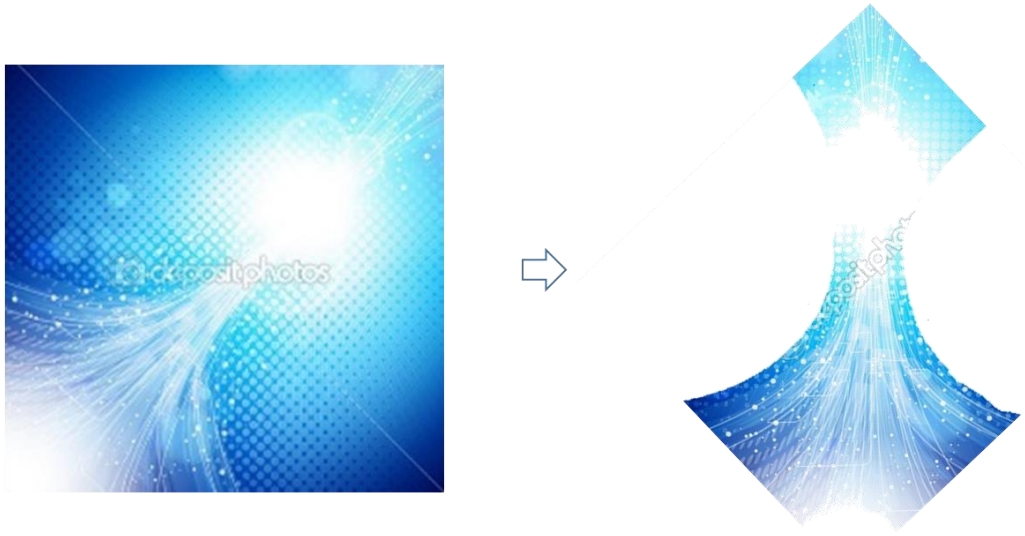
01 Paper sketch Composition

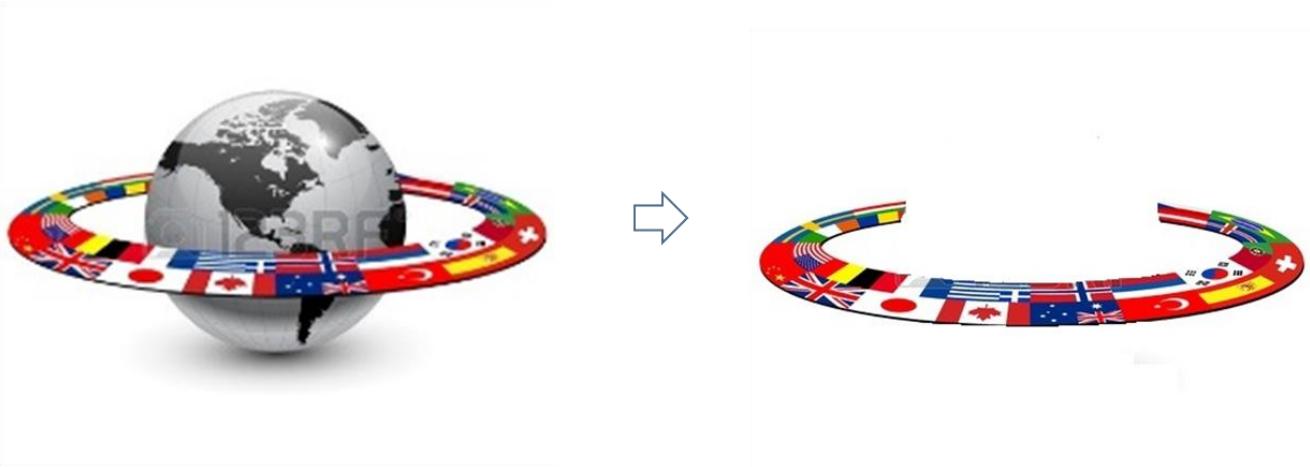


02 Downloading of Scene Elements

03 Transforming of elements for scene

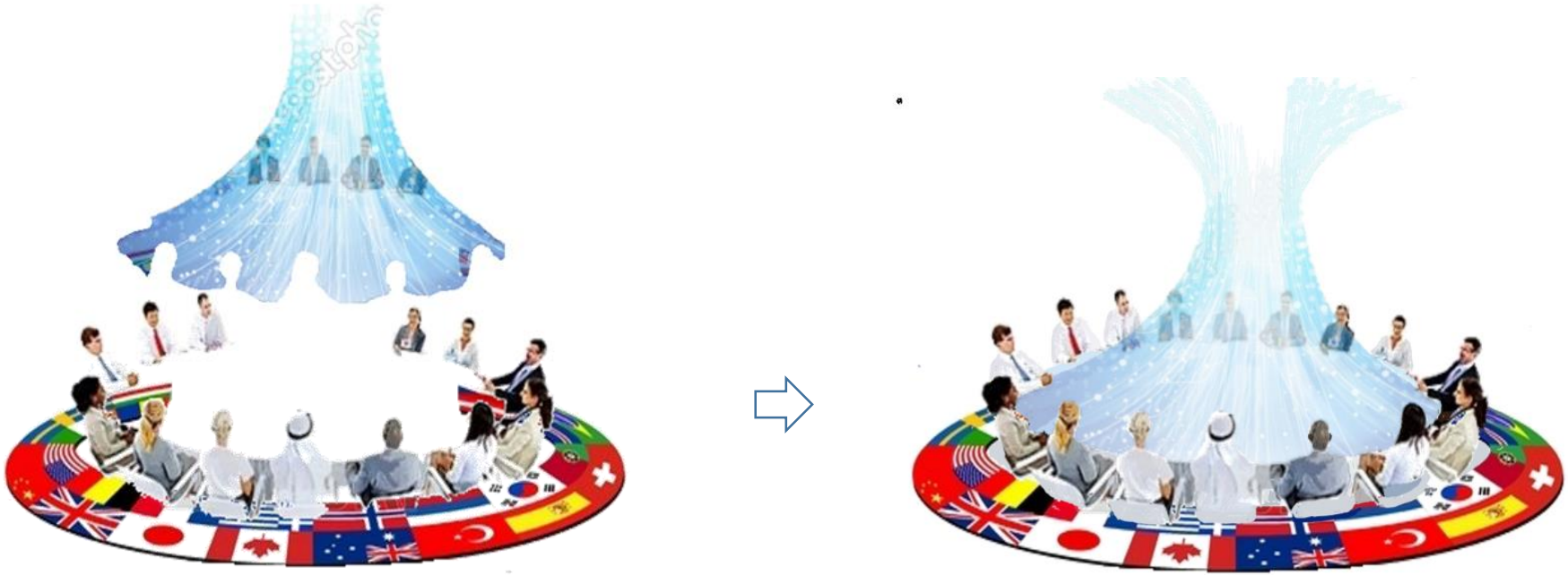
03 Transforming of elements for scene





04 Rough Scene Composition

05 Final composition and polishing



05 Final composition and polishing

Thanks for your attention!

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