

# **DATA ACQUISITION**



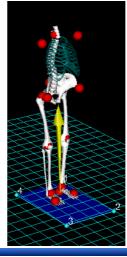
### **POSTURE TRIALS**

22 markers (Davis protocol)

30 s

2 conditions: OE and CE

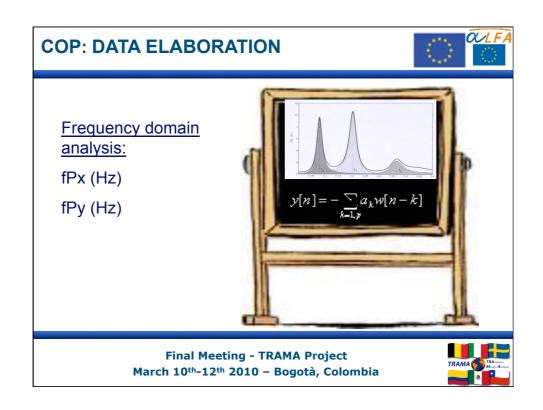
Resting time: 120 s

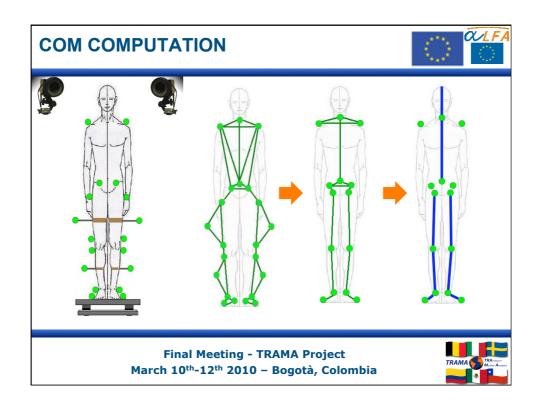


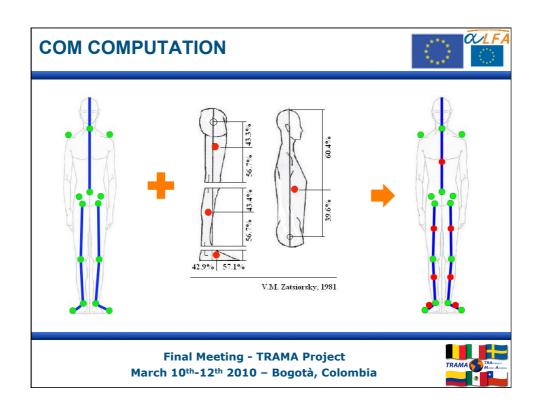
Final Meeting - TRAMA Project
March 10<sup>th</sup>-12<sup>th</sup> 2010 - Bogotà, Colombia

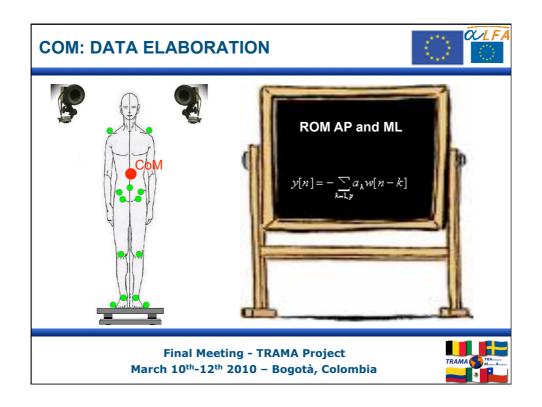


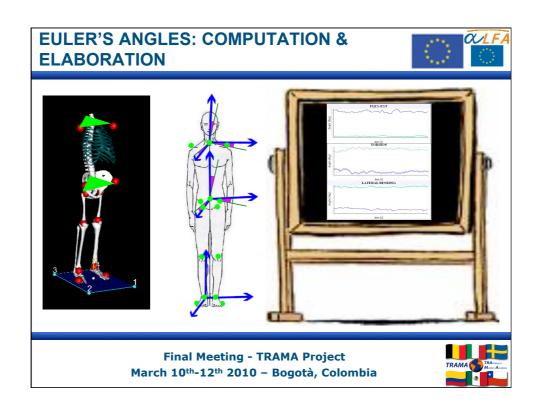
# Time domain analysis: ROM Px (mm) ROM Py (mm) TL (mm) Final Meeting - TRAMA Project March 10<sup>th</sup>-12<sup>th</sup> 2010 - Bogotà, Colombia

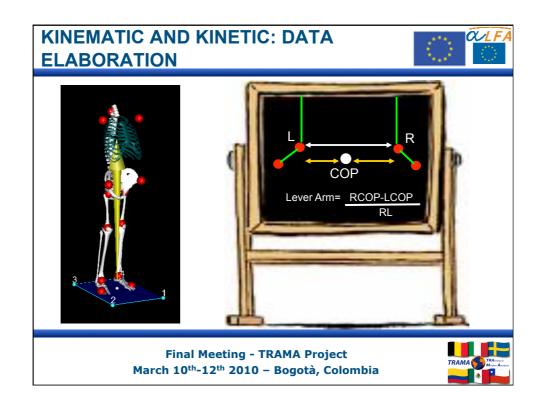


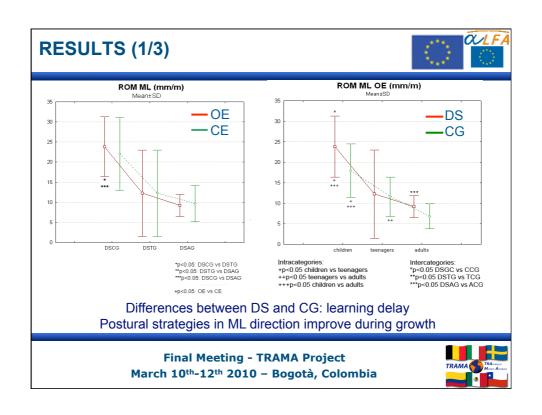


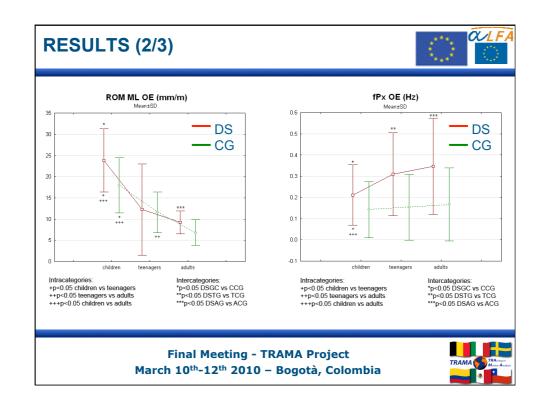


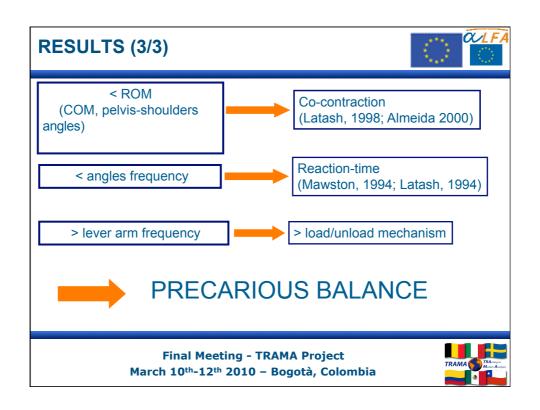


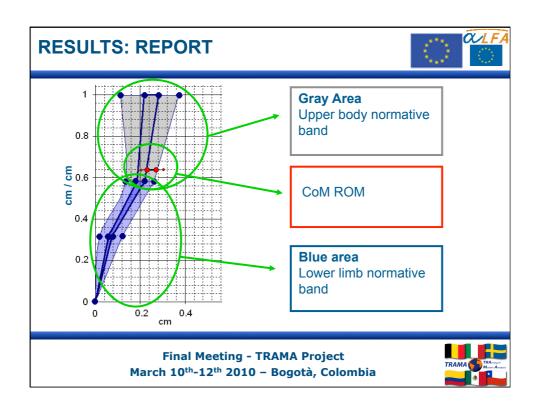


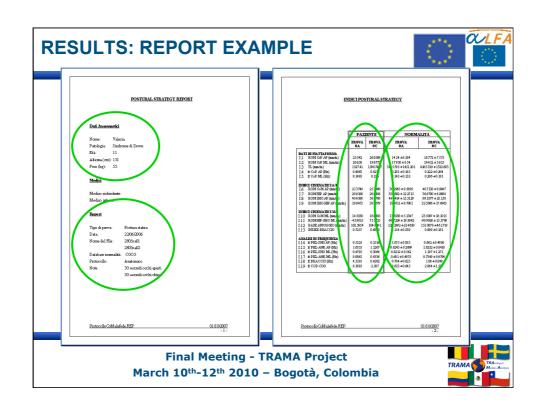


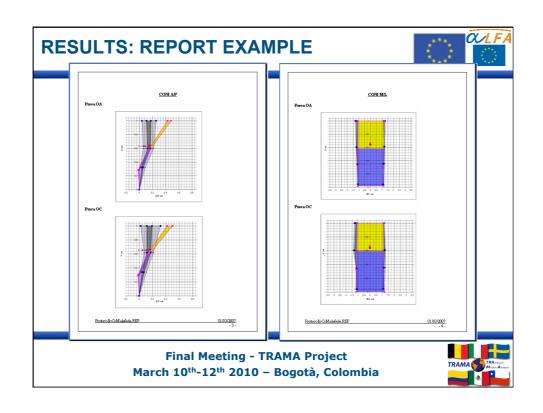












# **CONCLUSIONS & FUTURE WORKS**



Postural strategies analysis and its evolution



Performance of persons with DS decreases during growth, underlining a delay in milestone development

Development of a clinical report on posture analysis

Importance of frequency analysis

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## **COLLABORATIONS**



- ⇒ IRCCS "San Raffaele", Rome
  - •Prof. Giorgio Albertini, MD, Director of the pediatric department of rehabilitative and preventive medicine of developing disabilities
  - •Nunzio Tenore, rehabilitation therapist

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