



# School age hearing screening

- 13h30-14h15: Report EFAS WG on School Age Hearing Screening
- 13h30-13h35: Study Goals, Jan Wouters
- 13h35-13h57: Report of ongoing pilot study 1
  - experiences in Slovenia, Lea Zupan
  - experiences in The Netherlands, Jan de Laat & Wout Dreschler
  - experiences in Leuven and report, Elien Van den Borre et al
- 13h57-14h15: Conclusions, Discussion and Preparation for main study, Sam Denys & Jan Wouters



# EFAS Working Group SHS

- focus project on the investigation of
  - more efficient methodology for hearing screening (Q1)
  - Incidence of hearing impairment at post-neonatal age until 18 year (Q2)
- Preparations for large study across-Europe



# EFAS Working Group SHS

- Q1: Methodology
- The Sound Ear Check: a new screening methodology for SHS
- language independent, based on ecologically relevant sounds
- developed and optimized by partners Netherlands-Leuven
- with child friendly pictures
- will be administered in combination with the locally used SHS screening methodology in a few 1000 children (by each contributing partner), possibly at different ages, at least at school-entry (5 or 6 year old)
- The Sound Ear Check will provide an across-partner and across-language reference measure.



# EFAS Working Group SHS

- **Action plan 2018-2019**
- Discussions & meeting in Leuven
- Pilot 1
- 4 partners: Flanders/Belgium, Netherlands, Slovenia, Romania
- SEC in 3 groups of children aged 5-6 yrs (n=20/group)
- NH, (mild) conductive HL, (mild) sensorineural HL
  - Reference values & pass/fail criteria
  - Test precision
  - Power calculations for pilot 2
- Protocol finalized Spring 2018 + measurement sets distributed



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## Project partners

Country	Q1: pilot 1	Q1: pilot 2	Q2
Finland*			X
Israel*		X	
Turkey*		X	X
Romania	X	X	
Slovenia*	X	X	
Norway*		X	
Czech Republic*			
Ireland		X	X
Germany*			
Netherlands*	X	X	
Belgium/Flanders*	X	X	



# EFAS Working Group SHS

- Q2: Evidence/Incidence
- Investigation of evidence for necessity of SHS
- inventory of the already available information
- pilot studies in some countries on a regional or county scale, based on typically a few 1000 children (by each contributing partner) with records tracked from NHS (Neonatal Hearing Screening) to SHS
- whatever the used screening methodology is for SHS
- the comparison of SHS data with NHS databases will be made to extract information about incidence
- Important info for health policy making