

MSD interventions in the Colombian Floriculture Sector - Practical application of CUELA

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AGENDA

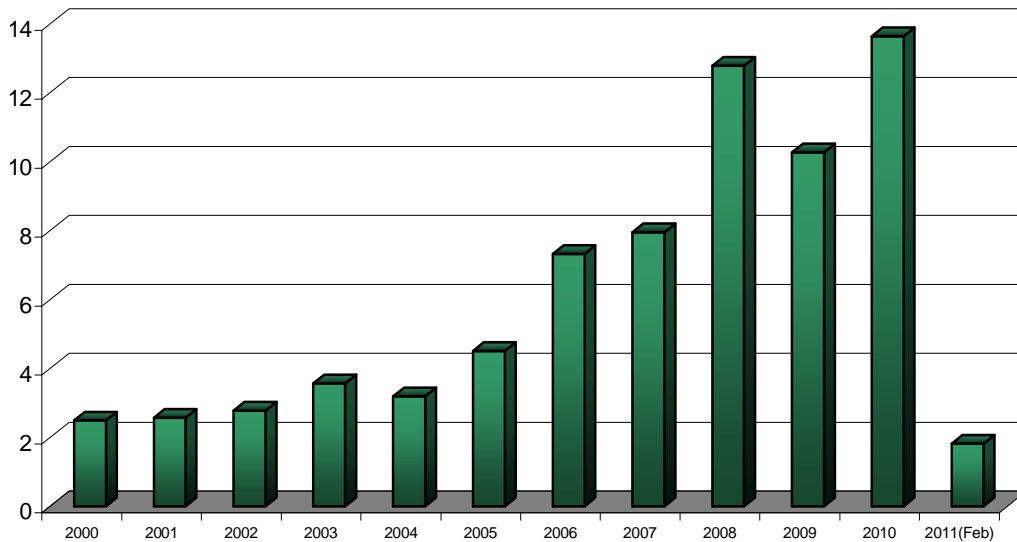
- Current situation of Occupational Diseases in Colombia
- Integral approach:
 - How the problems were dealt with and what was the contribution of CUELA in the overall approach
- Learning perspectives:
 - How to continue improving the knowledge acquired and increase its impact

CURRENT SITUATION



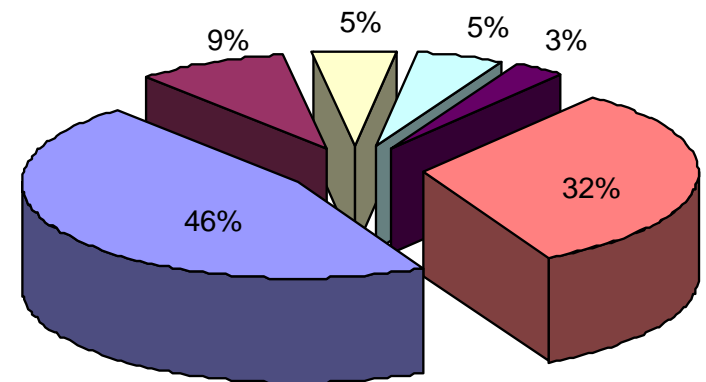


Occupational Diseases Rates in Colombian Workers' Compensation System



In 2010 The rate in Agriculture sector is 38.13 per 10.000 insureds

1. Carpal Tunnel
2. Hearing Loss
3. Epicondylitis
4. Tenosynovitis



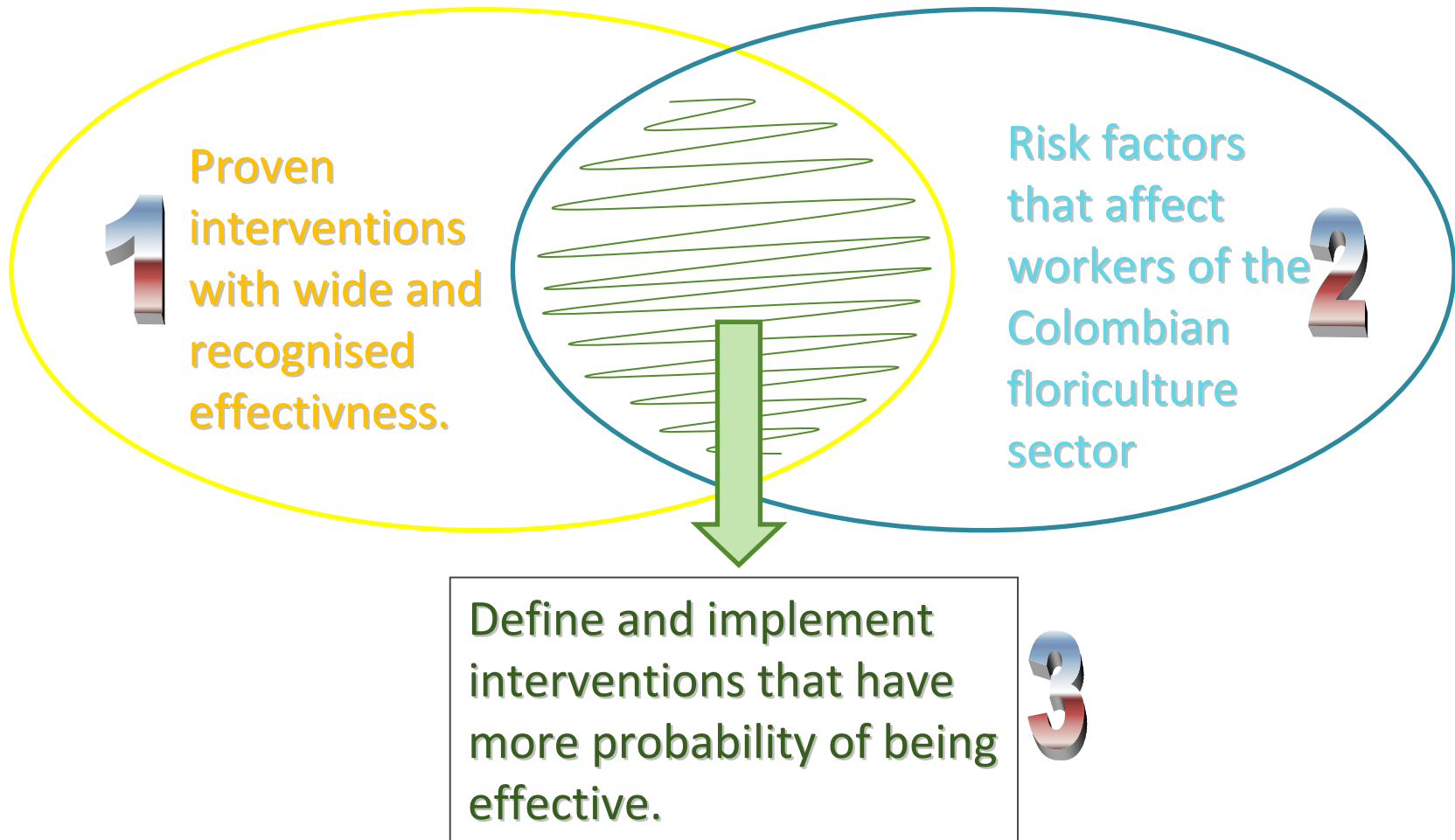
Source: Fasecolda (Federation of Colombian Insurers)

INTEGRAL APPROACH





General conceptual design



1

Search of existing interventions

Proven interventions with wide and recognised effectiveness.



9072 articles

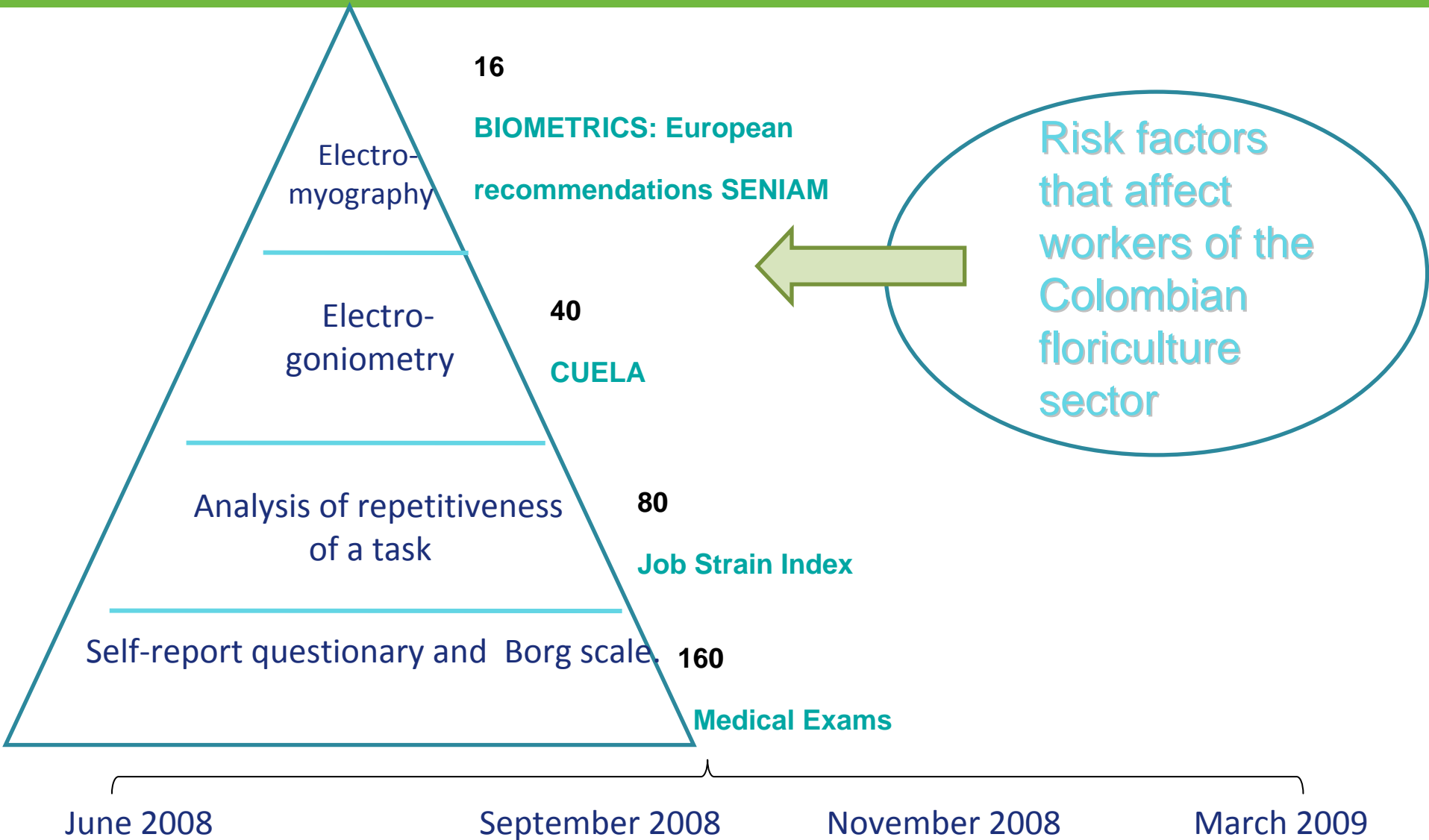
55 articles:
0 Studies in
floriculture sector

Results:

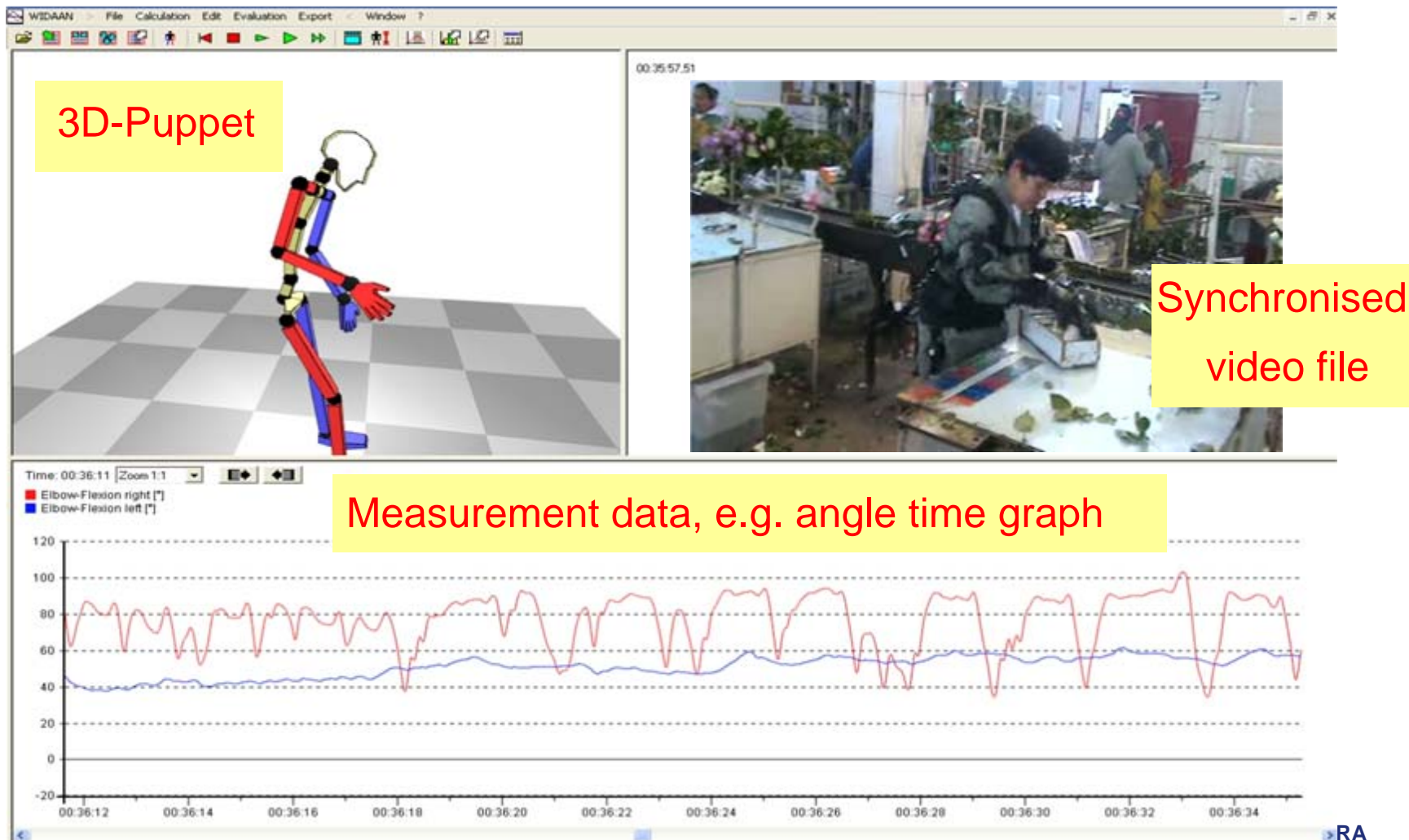
- Nothing has been published in scientific literature about the effectiveness of ergonomic interventions in the floriculture industry

2

Occupational epidemiological study



Data visualisation and assessment – CUELA software



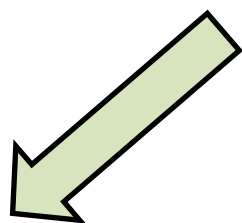
Results

- Gender and age can be important determinants in MSD
- The real time-records of CUELA generate great analytical precision
- The supination of the forearm, the flexion of the wrist, ulnar deviation, and the extreme elbow flexion, could be the main mechanical variables at work

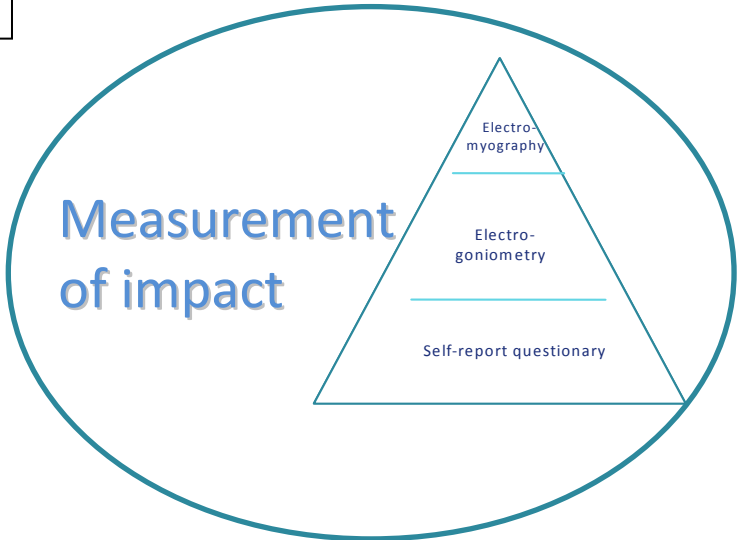
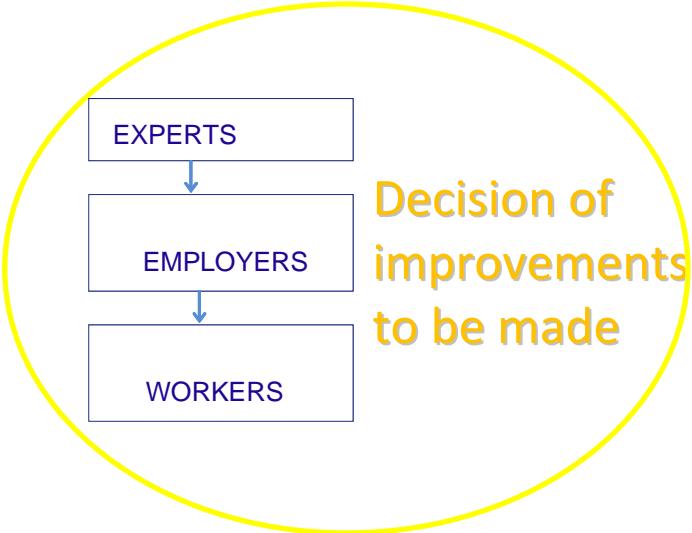


3

Definition and analysis of the impact of the interventions



Interventions with more probability of being effective.



Results

- The real-time records of CUELA generated great confidence therefore the companies will participate in the most complex areas of the sector
- Postures change in critical activities (post harvest and “poncheo”) as well as improved maintenance of scissors demonstrated a reduction of the risk in the short term (3 months after the intervention)
- Have the technology and specialized advice generated the confidence within the floricultor sector, and allowed the improvements and the possibility to make changes

LEARNING PERSPECTIVES





How to continue improving the knowledge acquired and increase its impact.

- This study was the first experience in the floricultor sector, and is the base for others investigations and publications
- This knowledge will be available to the sector through of simple tools
- The experience will be replicated in other economic sectors with significant prevalence of these types of occupational diseases
- The design of the investigation could be apply with other countries in the region such as Chile and Argentina



Thank you very much