

Risk Assessment Evaluation and Control

Lecture Title: OIRA TOOLS

Lecturer: Ms. Mariella Camilleri

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**Undergraduate Diploma in
Occupational Health and Safety**

Lecture Aim

- Understanding the use of the OiRA Tools to perform structured and effective risk assessments.



What is OiRA?

- OiRA stands for Online Interactive Risk Assessment (OiRA)
- The European Agency for Safety and Health at Work (EU-OHSA) developed online interactive risk assessment platform.
- Who can use OiRA
- Free and sector-specific.



OiRA Statistics

- 300,000+ registered users
- 500,000+ completed risk assessments
- ~9,000 assessments monthly
- 354 sector/country tools available
- 27 new tools published in 2023
- 60+ tools in development



Purpose of OiRA



- Simplifies the risk assessment process.
- Provides step-by-step guidance.
- Make RA easier for micro and small enterprises (SMEs) that may lack the resources or expertise for traditional methods.

Who Uses OiRA?

- SMEs
- Manager
- Safety Representatives

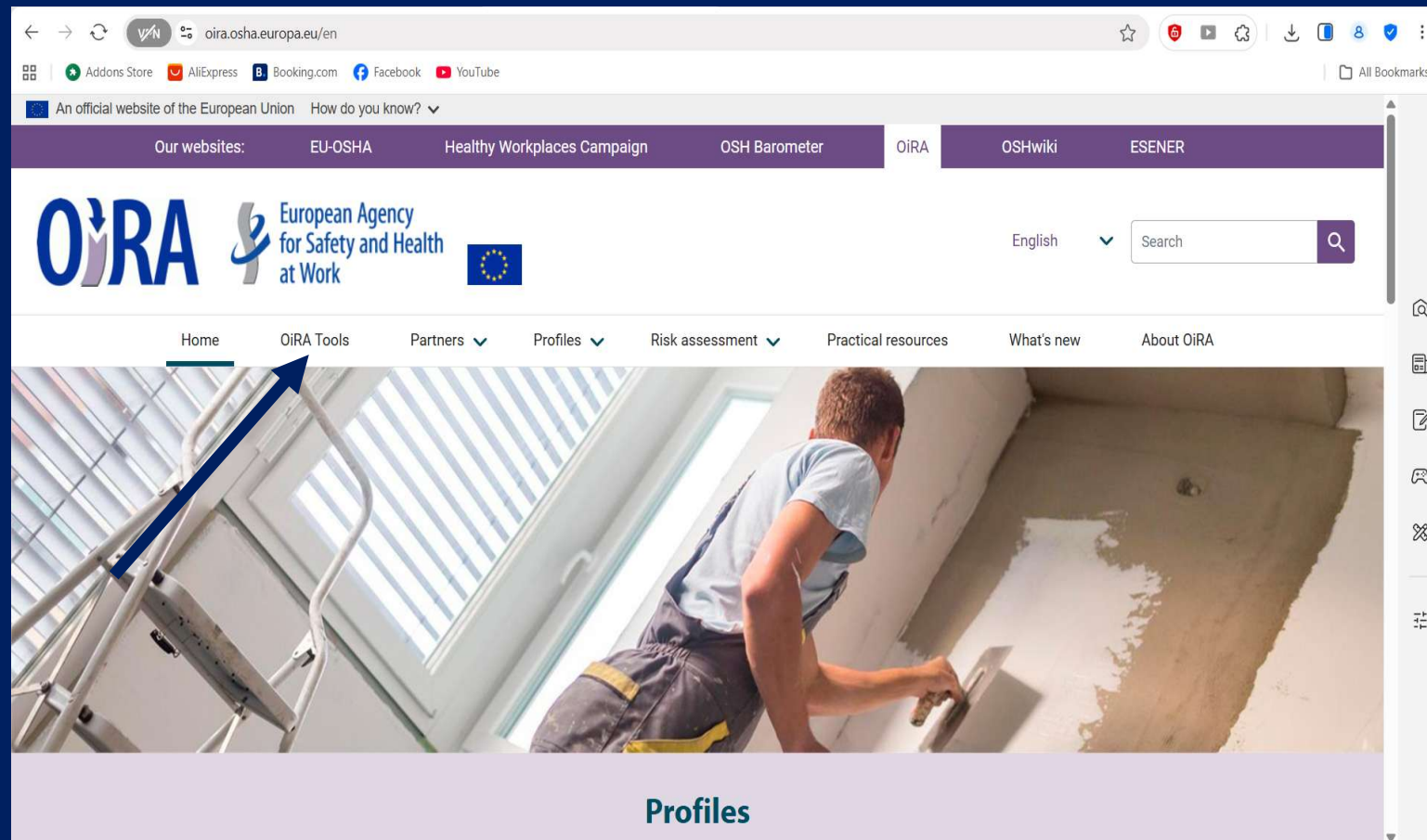


EU-OHSA Background?

- Created by the European Agency for Safety and Health at Work
- Supports risk prevention initiatives.
- OHSA Web Access: <https://osha.europa.eu/en>
- <https://www.youtube.com/watch?v=eJqcCP-ve3o>



EU-OHSA Background?



Risk Assessment Overview

- Identify Hazards
- Assess Risks.
- Control Measures
- Monitor and Review



OiRA Structure

- Modules
- Sector Templates
- Interactive Questionnaires



OiRA Registering & Logging In

- How to create an account
- Access available sector tools



EU-OHSA Background?

The screenshot shows the OIRA Tools website. At the top, the browser address bar displays 'oira.osha.europa.eu/en/oira-tools'. Below the browser bar, there's a navigation bar with 'Home > OIRA Tools' and social media sharing options. The main heading is 'OIRA Tools'. A descriptive paragraph states: 'The OIRA sectoral tools provided here are to enable micro and small enterprises to carry out risk assessments. The tools are free to download and can be easily accessed by clicking on the relevant link. Tools can be searched by country, language and/or sector.' On the left, a sidebar contains three dropdown menus: 'Country', 'OIRA Tool language', and 'Sector', which are highlighted with a dark blue border. To the right of the sidebar is a search bar with a magnifying glass icon and a 'Clear all filters' link. Below the search bar, the date '14/11/2025' is displayed. Further down, there are filters for 'Hotels, restaurant & catering', 'France', and 'French'. The main content area shows 'Institutional Catering' with a magnifying glass icon over a bar chart. At the bottom, the 'inrs' logo (Institut National de Recherche et de Sécurité) is visible, along with the text 'National Research and Safety Institute'. A purple button labeled 'Start the risk assessment →' is located at the bottom right of the main content area. The text 'Showing 1 - 10 of 376' is also present.

OiRA Selecting a Sector Tool

- Sector Tool :

- Generic Tools Risk Specific (31)
- Hotels & Restaurants (24)
- Hairdressers/ Beauty (20)
- Wholesale & Retail Trade (20)
- Food Production & Sale (19)
- Cleaning Services (17)

Manufacturing (31)

Automotive/Transportation/Logistics (23)

Human Health & Social Activities (20)

Education (19)

Office Work & Admin (19)

Live Performance (16)



OiRA List of Sectors

- Motor Vehicle Repair (15)
- Personal & Other Services (8)
- Working with Metal (6)
- Manufacturing of Food & Beverage (5)
- Sports & Recreation (5)
- Information & Communication (5)
- Mining & Quarrying (3)
- Audio Visual Sector (2)
- Woodworking (15)
- Transport (7)
- Leather & Tanning (5)
- Private Security (5)
- Waste Management (5)
- Electrical Related Works (3)
- Real Estate Activity (3)
- Veterinary Services (2)



Maltese Tools

Clear all filters Showing 1 - 5 of 5

	18/12/2018 Generic tools/risk specific Malta English Psychosocial  OHSA  Occupational Health and Safety Authority	Start the risk assessment →
	18/12/2018 Generic tools/risk specific Malta English Generic  OHSA  Occupational Health and Safety Authority	Start the risk assessment →
	18/12/2018 Office work & administration Malta English Office work  OHSA  Occupational Health and Safety Authority	Start the risk assessment →
	18/12/2018 Hotels, restaurant & catering Malta English Catering  OHSA  Occupational Health and Safety Authority	Start the risk assessment →
	17/04/2018 Office work & administration Malta Maltese Office work  OHSA  Occupational Health and Safety Authority	Start the risk assessment →



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OiRA Preparation Phase

- Understand workplace activities
- Gather necessary documentation.



OiRA Identify Risks

- Risks can be:

- Slips, trips, and falls
- Manual handling and lifting injuries
- Machinery and equipment hazards
- Fire and explosion risks
- Biological hazards (viruses, bacteria, mould)
- Vibration hazards
- Confined spaces

Working at heights

Repetitive strain and ergonomic risks

Electrical hazards

Chemical exposure (fumes, dusts, vapours)

Noise exposure

Poor lighting

- Guided prompts in OiRA.



OiRA Identify Risks

- Risks can be:
 - Workplace violence or aggression
 - Fatigue-related risks
 - Inadequate ventilation or air quality
 - Vehicle and traffic hazards (forklifts, deliveries)
 - Lone working risks
 - Falling objects
 - Poor housekeeping
 - Emergency preparedness failures (no exits, poor signage)
 - Psychosocial risks (stress, workload, bullying)
 - Temperature extremes (heat/cold stress)
 - Sharp tools or cutting hazards
 - Radiation risks (UV, IR, ionising)
 - Sloped or uneven surfaces
 - Inadequate personal protective equipment (PPE)
 - Hazardous waste or spills
 - Noise-induced hearing loss risks
- Guided prompts in OiRA.

OiRA Risk Evaluation

- Assess severity and likelihood
- Priorities Risks.



Risk Assessment Matrix

Severity \ Probability	Catastrophic	Critical	Marginal	Negligible
Frequent	High	High	Serious	Medium
Probable	High	High	Serious	Medium
Occasional	High	Serious	Medium	Low
Remote	Serious	Medium	Medium	Low
Improbable	Medium	Medium	Medium	Low
Eliminated	Eliminated			

OiRA Action Planning

- Define Control Measures
- Short-Term Actions (Mitigation Measures)
- Long-Term Actions (Mitigation Control Measures)



OiRA Documentations & Reports

- OiRA generates automatic reports
- Supports legal compliance



OiRA Action Features

- Assign responsibilities
- Set deadlines
- Monitor progress



OiRA Customisation Options

- Asses your own risks
- Edit measures
- Adapt templates to workplace



OiRA Collaboration Features

- Share assessments
- Team Involvement
- Printable summaries



OiRA Practical Example

- Case study demonstrating steps
- Outcome and action plan sample



- <https://www.youtube.com/watch?v=WGOGNSsUQno>

OiRA Advantages

- Free and easy to use
- Comprehensive
- Ideal for SMEs



OiRA Limitations

- Dependent on user accuracy
- Complex industries may need experts



OiRA Best Practices

- Employee Involvement
- Regular updates
- Integrate into OSH Strategy



OiRA Common Mistakes

- Incomplete workplace mapping
- Not reviewing actions
- Ignoring psychosocial risks



OiRA Training & Education

- Useful for VET institutions
- Simulation exercises
- Improves OSH understanding



OiRA Conclusion

- OiRA promotes proactive safety culture





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