

# Module F

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## Introduction to 25 Best Practice Examples



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# VRinSight Training Programme & Curriculum



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- Module A: Outcomes of European survey of SME and Higher Education institutes
- Module B: Virtual Reality for Business and SMEs
- Module C: A comparison of VR developments around the globe
- Module D: Pedagogical considerations in Virtual Reality Learning
- Module E : Step by Step Guideline to good VR practice
- **Module F : Introduction to the 25 VR applications of the *VRinSight Showcase***
  - Introduction to Best Practice Examples (20mins)
  - Testing 25 Best Practice apps (30mins)
  - Reflection in small groups (20mins)
  - Discussion (20mins)

All Curriculum Modules and the European Survey report are available in their entirety at the project homepage [www.vrinsight.org](http://www.vrinsight.org)

# Assignment before the lecture

*Install the App of your selection for  
evaluation*

*Familiarize yourself with the 25  
Best Practice Applications*



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# The aim of 25 Best Practice Applications?

- Quick overview of 25 applications to demonstrate how VR technology can enhance Higher Business Management Education
- Provide information of how to evaluate VR apps

## AND MOST IMPORTANTLY:

- Providing information of **how to apply the lessons learned** (i.e., what is the *logic/value/novelty* behind each of the Apps)



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# Evaluation of 25 Best Practice Applications

Applications were evaluated based on six factors that were considered as important:

1. Applications technical framework
2. Purpose and target group
3. Basic features
4. Prior knowledge needed
5. Learning outcomes
6. HEI added value

*Primary focus in business management education, secondary focus on higher education in general*



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# 1. The technical framework

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- What platforms the application supports: Windows MR, Oculus, Vive, etc.
- Possible multiplatform (PC/Mac) or mobile support (iOS, Android) is mentioned (e.g. [Mozilla Hubs](#) for education)
- The support for standalone devices was highlighted due to decreased costs of use and increased usability (e.g., [Altspace VR](#) for education)

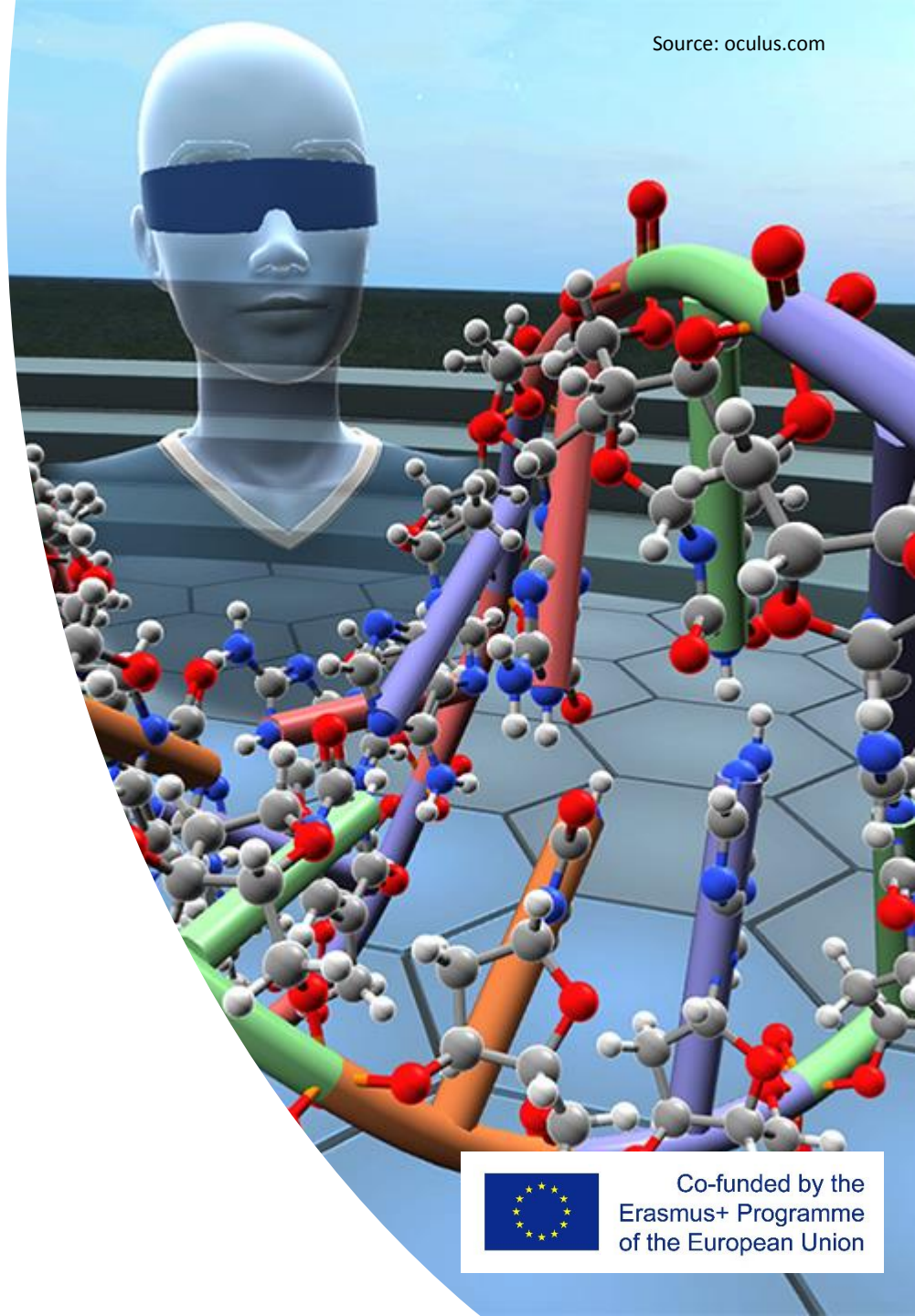


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## 2. Purpose and target group

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- A brief description of the applications purpose and main use cases, such as some specific educational simulations ([Nanome](#)), training and education in general ([ENGAGE](#)), etc.
- Main target group (such as educators, trainers, or virtual teams)



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## 3. Basic Features

The description of applications basic features (i.e. what specific actions the application enables)

Some apps enable *a specific use case* (e.g. [Presentation Simulator](#) for education and business, or [Labster](#) (education))

Others have *many different features for different means of use* (E.g., [Edorable](#): multi-user environment, avatar creation and customization, a possibility to download 3D content, support for 2D presentations/media streaming/session scheduling).



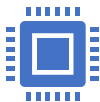
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## 4. Prior knowledge

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Knowledge that is essential when using the application



Some applications require more **advanced VR skills** (E.g., specific VR applications for business, such as [365 Dynamics Layout](#))



Some apps require only **basic VR skills** (being able to set up the system, use controllers, etc.) (E.g., [Job Simulator](#))



## 5. Learning outcomes

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*Basic learning outcomes* such as creating an avatar, customizing an avatar, navigating in a virtual space and interacting with virtual objects

*Advanced learning outcomes*, such as importing or creating 3D content or scheduling/hosting an event in VR

*Skills*, such as improved communication skills (Presentation Simulator, or Social Virtual Reality (SVR) applications),

*Knowledge*, such as geography (e.g., [Google Earth](#) for education)

*Competences* (e.g., being able to set up a social event in [Altspace VR](#))



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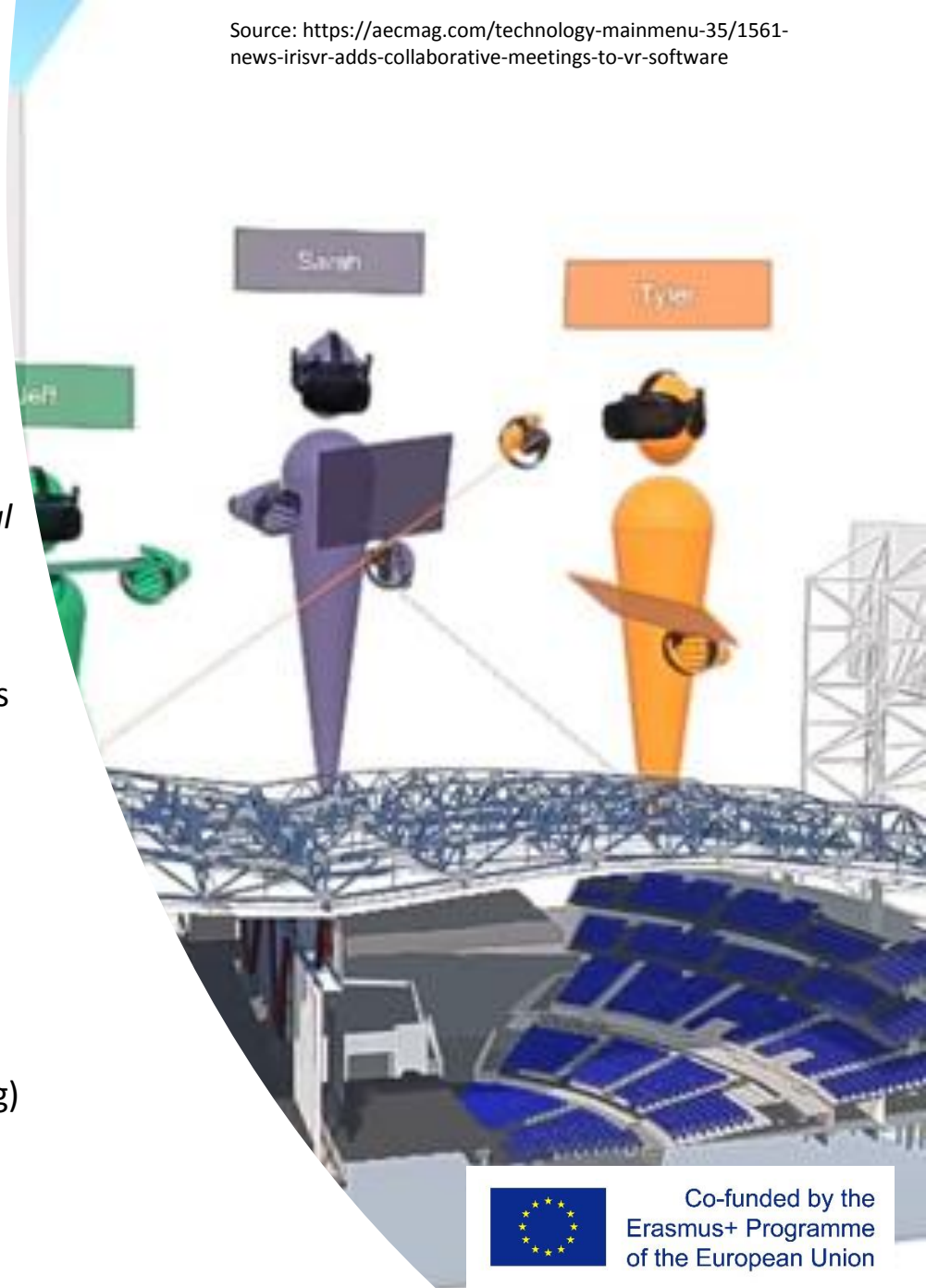
## 6. HEI/SME added value

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A description of factors that are considered *beneficial* in context of HE and business management

For example, Social Virtual Reality, such as [Nvidia Holodeck](#), applications could be valuable for business due to:

- E.g., Avatar-based interaction that may improve shared focus and enhance problem-solving capabilities in online group activities
- E.g., Content creation tools that may provide value for HE institutions in terms of being able to customize their very own learning content
- E.g., Videoconferencing enables the connection outside VR / real facial information (trust building)
- E.g., high amounts of engagement and social immersion with geographically dispersed stakeholders
- E.g., User-Centered Design or other forms of remote collaboration



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# Interactive session: Testing The Apps

- Testing the Applications (pairs/small groups) (30mins)
  - Apps for standalone (e.g., Oculus Quest) / tethered VR (E.g., Valve Index)
  - Choose one **already installed** (!) example of 25 Best Practice Applications
  - Try out the App (take your time - hurrying breaks the immersion!)
  - In the meantime: check the App description / links / app website
- Reflection (20mins)
  - What different *use cases* can you find (SME/HEI perspective)?
  - What *value* does the App bring (SME/HEI perspective)?
    - E.g., making something *more effective*?
    - E.g., enabling something *completely new*?
- Discussion and summarizing the findings (20min)



# Learning diary (2-3 pages)

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How could your selected App be modified to be more effective, or to fulfill the needs of a completely new use case? In your analysis, keep the basic logic of the app.

- E.g., AltspaceVR enables virtual meetings in a shared space. However, how could avatar-based interaction be improved to enhance the effectiveness of virtual teams?

## Grading

Scale from 1-5\*

0 - failed to understand the topic, no reflection  
(course personnel will contact you for extra task)

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1 - little understanding and reflection

3 – understood the topic, good reflection,  
application of lens to derive new insights for  
understanding the technology limited

5 - understood the topic, good reflection,  
application of lens to derive new insights for  
understanding the technology



# Google Earth



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