D1.3 SELF-ASSESSMENT PLAN

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Abstract	The Self-Assessment Plan sets out the ways in which the project's operational performance will be assessed, including the measurement of progress toward achieving the Objectives, advances on the state of the art and the meeting of targets for technical performance, user engagement and impact. It includes a self-assessment plan for each task within each WP from 2 to 9, recalling the objective of each task, and outlining the evaluation strategy, the success indicators and the timetable, with the level of detail appropriate at this early stage of the project. We conclude by indicating how the project intends to follow up the implementation of the plan and its update through the different deliverables.
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Document History

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0.1 23/03/2020	First Draft created by Jeff Clifford
0.2 05/05/2020	Complete draft circulated to Partners for comment
0.3 18/05/2020	Updated draft with updates from Inria, BRA, UPF, UAu
0.4 25/05/2020	Updated draft with updates from FS, CREW, ICERT
1.0 27/05/2020	Version 1 peer reviewed by Tom Evans and ready for submission

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1. Executive Summary

This document sets out the principles, procedures and criteria to be applied for the self-assessment and internal progress monitoring of the project. It complements the *D1.1 Project Handbook and Quality Plan* (M3), *D1.2 Data Management Plan* (M6) as well as the dissemination and exploitation planning deliverables in WP9.

It covers the assessment of the project's success in meeting its objectives, and the targets for scientific and technical performance, user engagement, and impact measures. PRESENT is a ground-breaking project that contains an **Agent Proof-of-Concept Workplan Evolution** at each key Milestone that the project will need to be evaluated against as it progresses.

This document sets out the framework for partner and management board approvals, the critical assessment of the results of field trials, and monitoring the continuing relevance of the project to the market needs.

The main part of the document (section 3) provides a detailed self-assessment plan – by workpackage and task – with timetables and performance measures.

2. Project Objectives, Indicators, Assessment Instruments and Strategies

The main goal of PRESENT sets out to create virtual digital humans—sentient agents—that look entirely naturalistic, demonstrate emotional sensitivity, establish an engaging dialogue, add sense to the experience, and act as trustworthy guardians and guides in the interfaces for AR, VR, and more traditional forms of media.

With advances in the real-time creation of photorealistic computer generated characters, coupled with emotion and behaviour recognition, and natural language technologies, PRESENT will allow us to envisage a virtual agent that is realistic in both looks and behaviour; that can interact with users as they navigate rich and complex environments; converses in a natural manner; responds to human moods and emotional states; and evolves in response to the user's behaviour.

2.1 Objectives

Based on the project goal the Objectives are to:

- Research and develop new methods of creating sentient agents with highly realistic facial and bodily appearance;

- Research and develop ways of endowing the agent with a high degree of emotional sensitivity as the basis for interaction with users, with lifelike behaviours that evolve over time;

- Research and test paradigms for interaction with a highly realistic digital character in augmented and virtual environments, with security and trust in the identity of the virtual agent;

> **Novel methods of creating embodied human agents with highly realistic facial and bodily appearance**