

## AAATE SPECIAL INTEREST GROUP; 3D-PRINTED ASSISTIVE DEVICES

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**Background of the proposal:**

Do It Yourself technology is upcoming and offers many possibilities for healthcare. 3D printing has the potential to become common technology used by clients and care professionals to co-create assistive devices. Many examples of these devices can be found on websites like Pinterest and Thingiverse. However, there are many challenges related to;

- Designing;
- Choice/features of materials;
- 3D printers;
- Sharing designs;
- And legal, financial and ethical issues.

Several groups in Europe and beyond experiment with 3D-printed devices and generate knowledge. This special interest group intends to bring these experiences and knowledge from Europe and beyond together, to learn from each other and to strengthen and share the knowledge base related to 3D printed assistive devices.

**Specific objectives:**

- Development of tools to support care professionals and clients in
  - Designing 3 D printed assistive devices in co-creation
  - Choosing materials and printers for 3D-printed devices
  - Evaluating 3D printed assistive devices
- Creating an overview of examples of 3D printed assistive devices

**Activity/ies foreseen:**

The group will decide based on shared interest and existing knowledge which ambitions and plans they find feasible. Possible phases are;

- Sharing current projects, knowledge and experiences
- Identifying shared interests and ambitions
- Developing a common plan with specific objectives and planning regarding tools and overview
- Working on the shared plan
- Dissemination

**Expected results or outputs:**

See objectives

**Already collaborating (member) organisation(s):**

None

**Can institutional members collaborate and how?**

Yes, if they have knowledge and/or projects regarding 3D printed assistive devices in progress; by joining the meetings to develop and execute a plan

**Can individual members of AAATE members collaborate and how?**

Yes, if they have knowledge and/or projects regarding 3D printed devices in progress; by joining the meetings to develop and execute a plan

**Can members of GAATO members collaborate and how (access to global audience)?**

Yes, if they have knowledge and/or projects regarding 3D printed devices in progress; by joining the meetings to develop and execute a plan

**Timeline:** July 2021 – Dec 2021

**Estimation of the resources needed and committed or to be found:**

- Sharing current projects, knowledge and experiences; about 4 hours
- Identifying shared interests and ambitions; about 2 hours
- Developing common plan; about 4 hours

Investment after this phase depends on the ambitions described in the plan. There are no resources for this work.

**The benefits for collaborators:**

- Learning from experiences and knowledge of others;
- Strengthening your own work/projects;
- Increased chances for dissemination of tools on European/Global level

**Deadline for respondents:** 30 June 2021