SAM
SECTOR SKILLS STRATEGY
IN ADDITIVE MANUFACTURING

EUROPEAN AM SKILLS STRATEGY

This project has been funded with support from the European Commission.
This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

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This document is an overview to the AM Skills Strategy Roadmap for 2021 that will support the growth, innovation and competitiveness of the sector.

OVERVIEW ON THE MAIN CHALLENGES AND OBJECTIVES

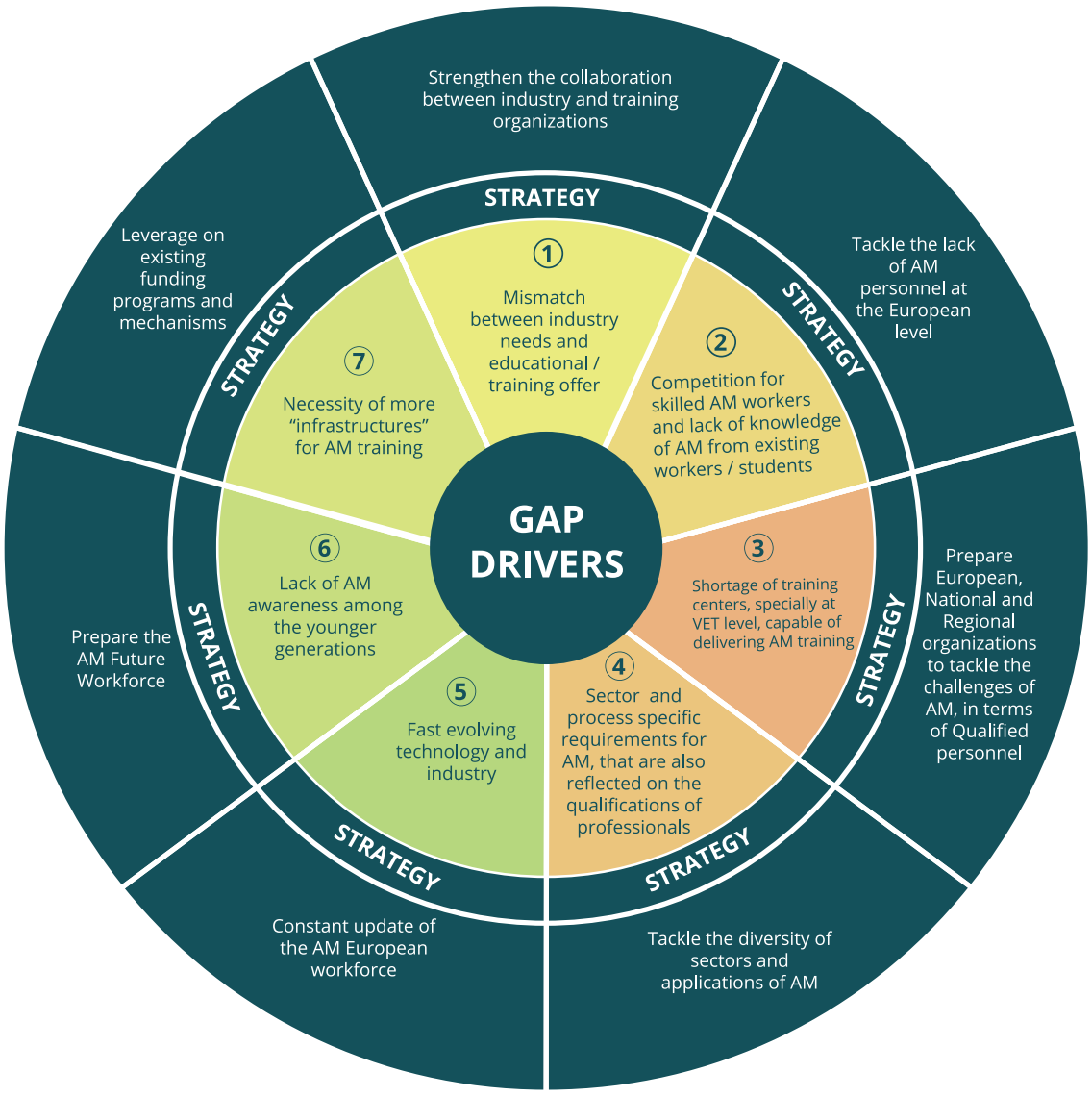

Figure 1 – AM Gap Drivers and Objectives

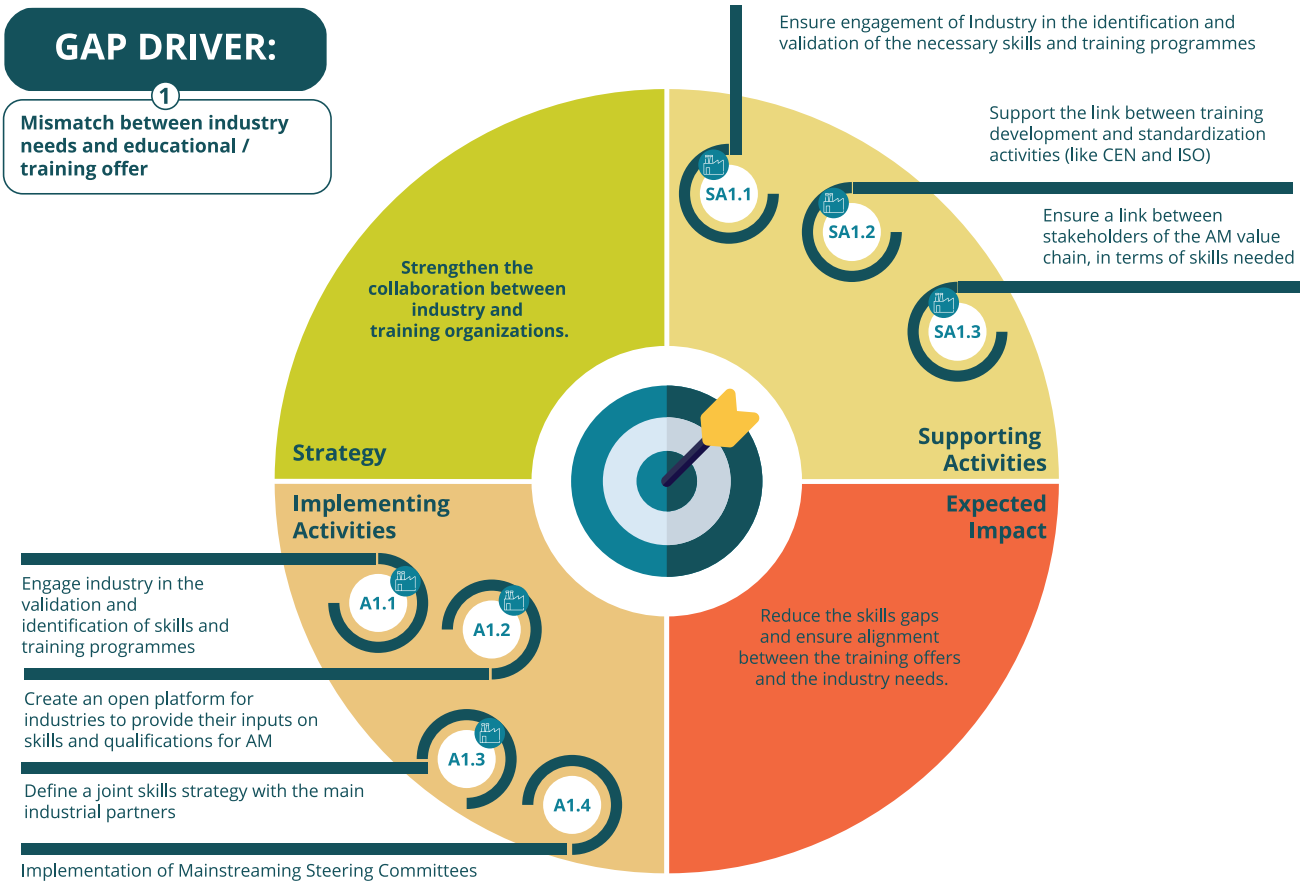

Figure 2 – Actions to strengthen collaboration between industry and training organizations

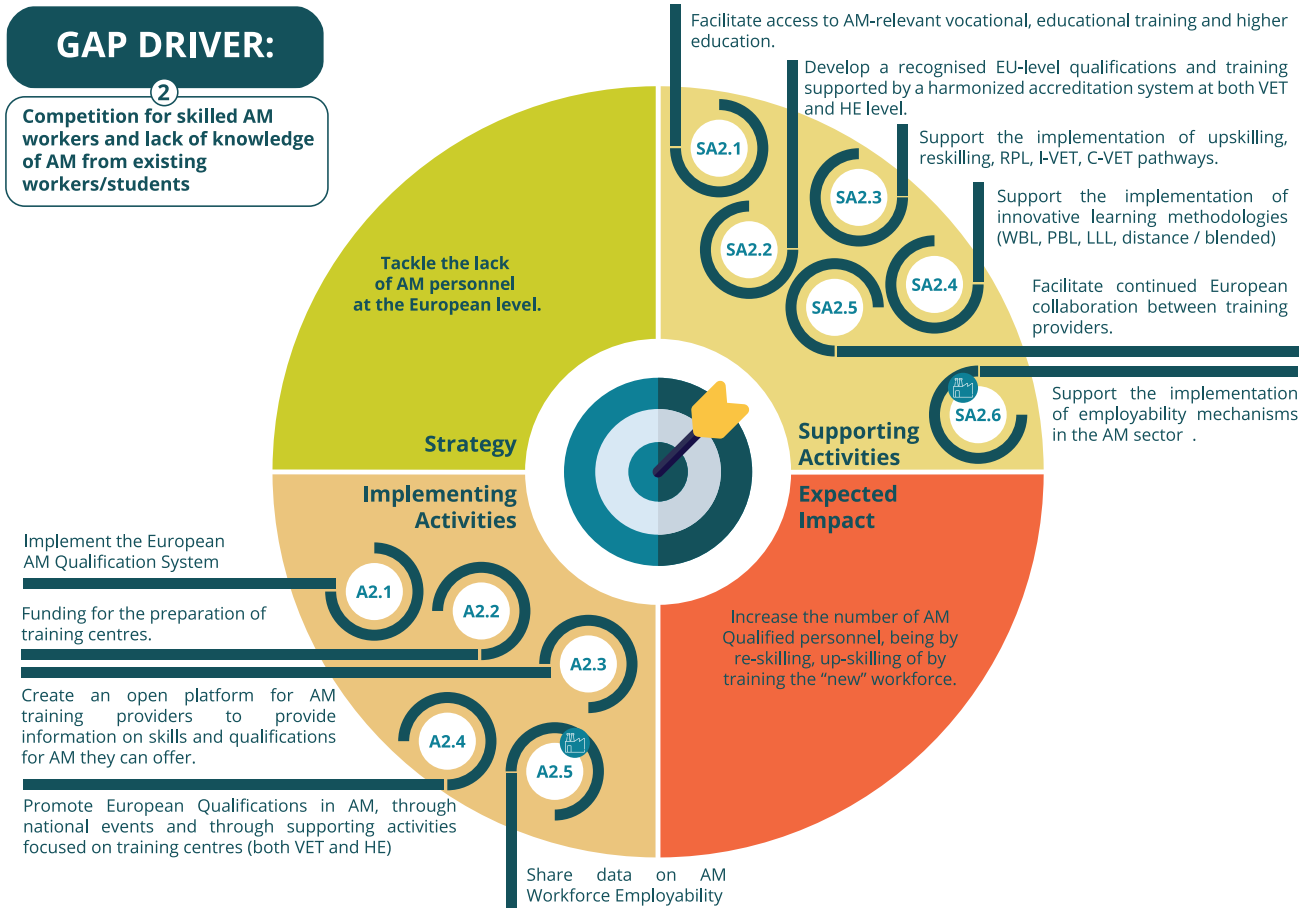

Figure 3 – Actions to tackle the lack of AM personnel at European level

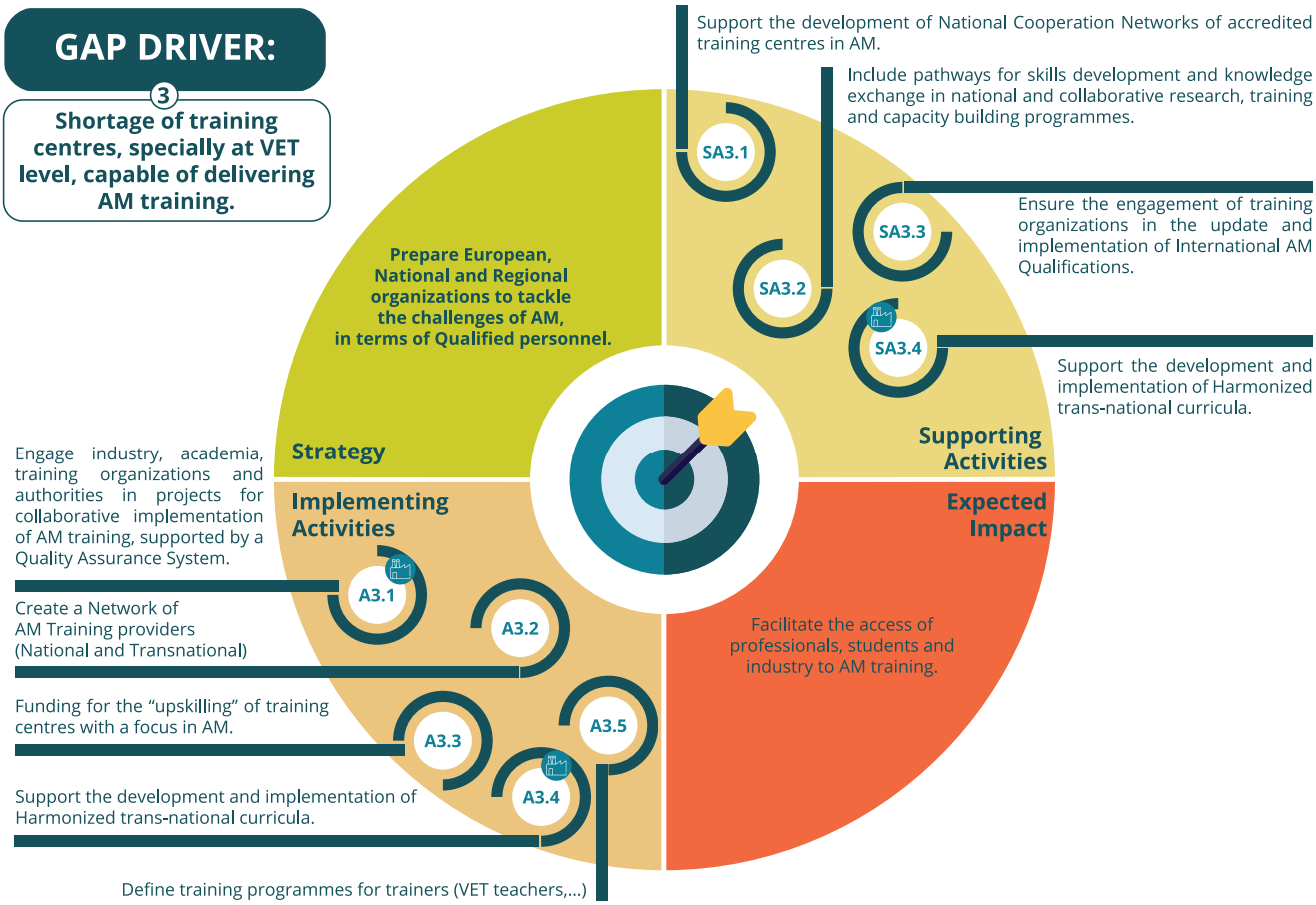

Figure 4 – Actions to prepare European and National organizations to tackle the challenge of AM in terms of Qualified Personnel

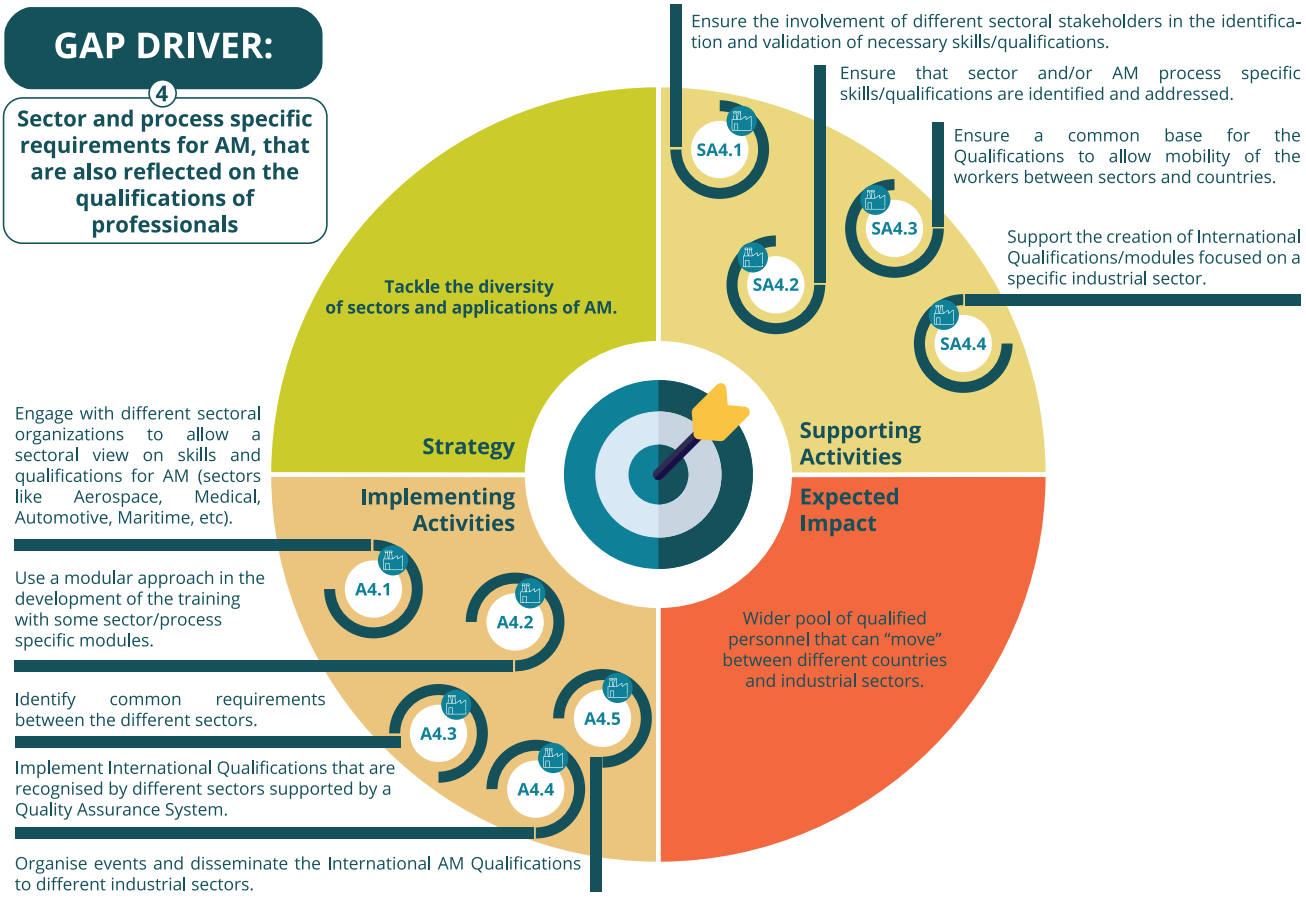

Figure 5 – Actions to tackle the diversity of sectors and applications of AM

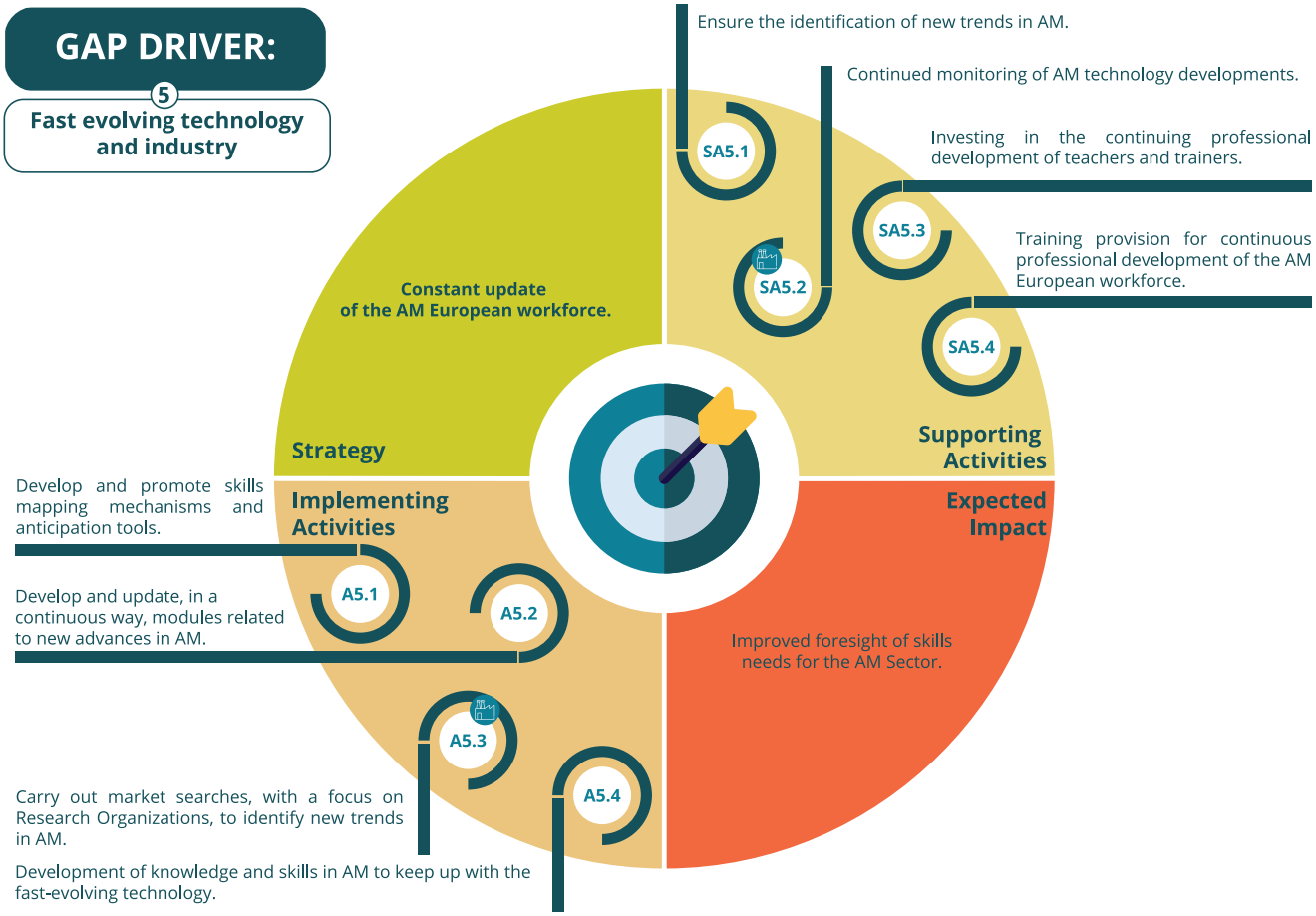

Figure 6 – Actions to guarantee the constant update of the AM European workforce

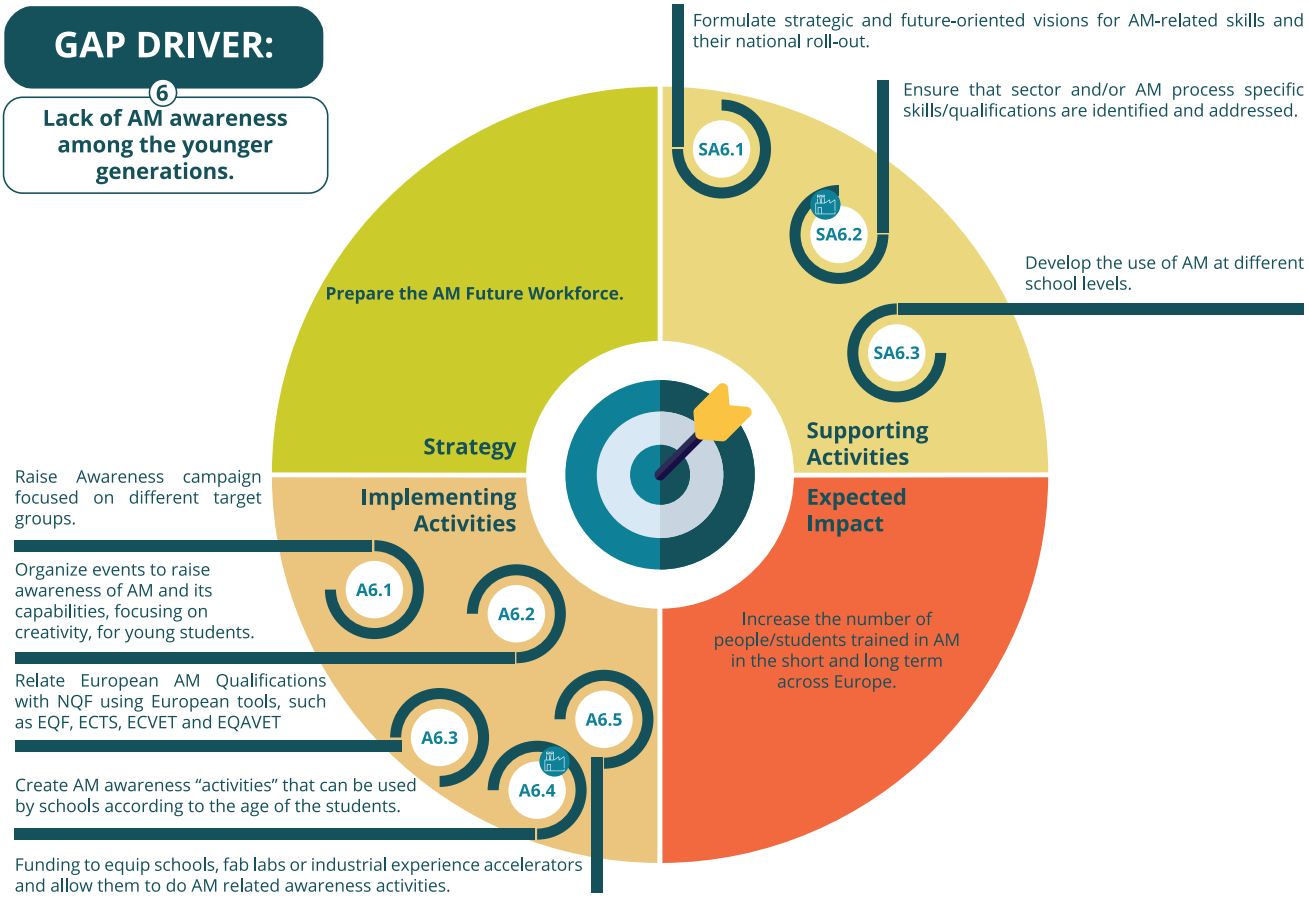

Figure 7 – Actions to prepare the future AM workforce

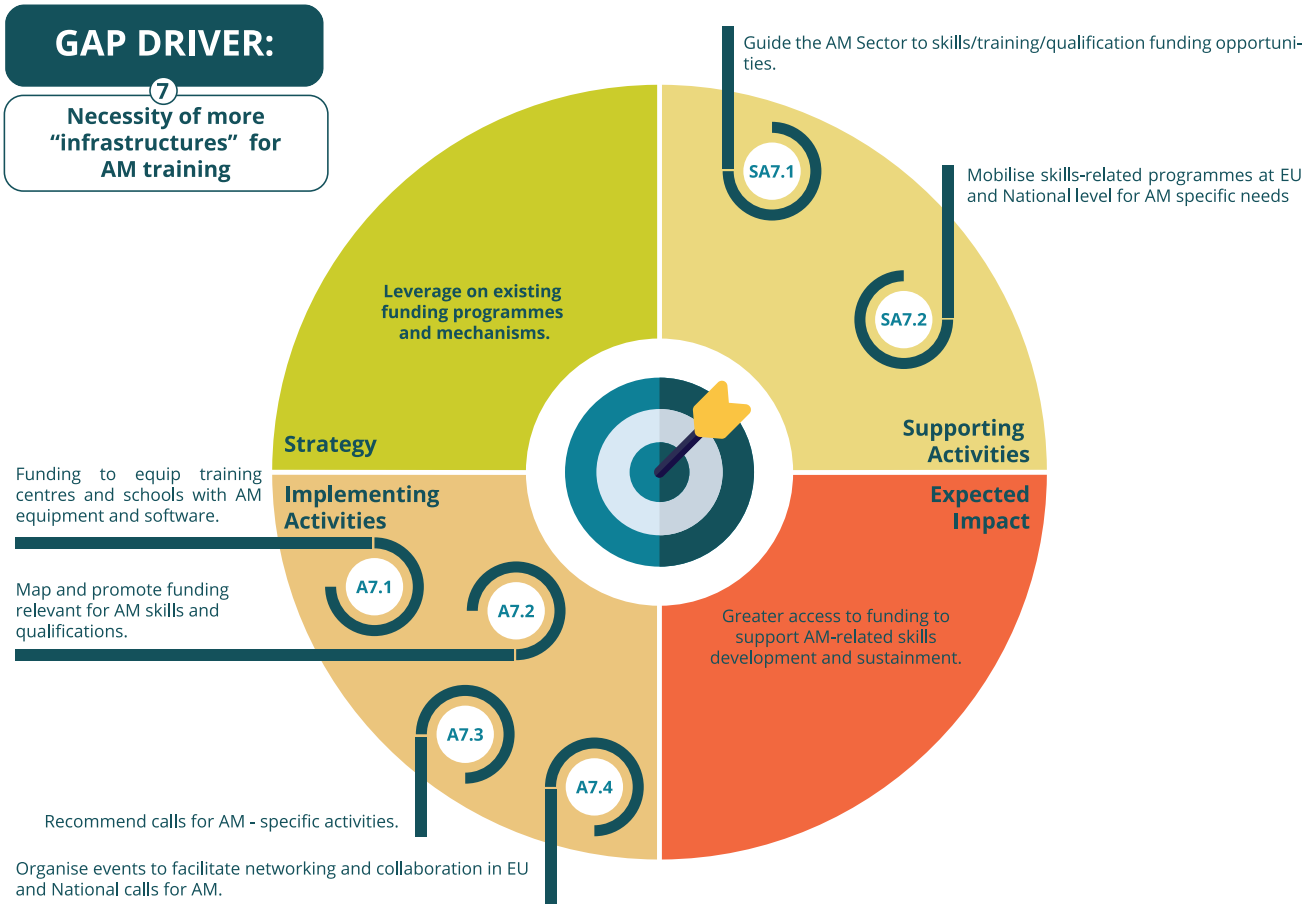

Figure 8 – Actions to leverage existing programmes and mechanisms

EUROPEAN AM STRATEGY AND THE PACT FOR SKILLS

The SAM project supports the Pact for Skills by setting the Sector Skills Strategy Roadmap for the Additive Manufacturing sector. The flagship of this activity is the deployment of the International AM Qualification System (IAMQS) through a network of training providers, sustained by a strong connection between a wide range of industrial sectors, which are applying Additive Manufacturing in their activity or intend to do so.

- The key performance indicators of the activity for the future are:

Creation of a Network of Training Centres and infrastructures in AM, by increasing in 25% the network of training centers that covers all EU countries.

Guarantee the Qualification of 100.000 AM workers by 2030, including upskilling / reskilling of the existing workforce.

Design, review and roll out of AM Skills Development of 100 new skills in AM in 2025.

SUPPORTING THE EUROPEAN AM SKILLS STRATEGY

The European Additive Manufacturing Skills Strategy is supported by

AM PLATFORM

SAM SECTOR SKILLS STRATEGY IN ADDITIVE MANUFACTURING

ASSOCIATED PARTNERS AND OTHER SUPPORTING ENTITIES

AITA (Italian Association of Additive Technologies), AFPM, Alexander Daniels Global Limited, CESOL, Digital Additive Production DAP - RWTH Aachen University, 3D Printing Industry, 3D System, DVS German Welding Society, Frederik University, FPT VIMAG, Heinz-Piest Institute fur Handwerkstechnik, Hybrid Manufacturing Technologies, IMAPS - Steinbies, IQS School of Engineering, I-Form, Inspire AG – innovation Centre for Additive Manufacturing, Istituto Italiano Della Saldatura (IIS), Joanneum Research Center, Klastr Mechatronika, Laser Zentrum Hannover e., Llyods' Register, MiB - Association of Turkish Machine Manufacturers', Otto Brenner Shule (BBSme), Politecnico Di Torino (PoliTo), Universidad de Las Palmas de Gran Canaria, (ULPGC), Research Center Non-Destructive Testing (RECENDT), Sensima Inspection, SINTEF Raufoss Manufacturing AS (SRM), SLM Solutions, Swiss Additive Manufacturing Group (Swiss MEM), TECNALIA Research and Innovation, The Welding Institute (TWI), The Manufacturing Technologies Association (MTA), VDMA, Vestas.