

# IFAM experience in EU projects with KMM-VIN

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How it started: Ni-Ti samples  
by MIM, produced within  
KMM-NoE (FP6, 2006-2009)

# History within KMM-VIN

- Fraunhofer IFAM and IWM joined the Network of Excellence “Knowledge-based multicomponent materials for durable and safe performance” (KMM-NoE, 2006)
- Research task in “Nickel-Titanium Alloys for Biomaterials and Transport Applications” – NiTiBit
  - Basically, this collaboration was the “nucleation point” of the Biomaterials Group at IFAM and, subsequently, the establishment of the Medical Technology and Life Sciences Business field
- Decision of IFAM to stay within the KMM Virtual Institute was made
- Main benefits for IFAM: Research contacts, initiation of EU projects, information on technological trends

# Benefits of IFAM within KMM-VIN

- Easy creation of project consortia based on an existing network of long-term reliable partners
- Participation in a range of EU proposals initiated by partners
  - MATRANS (FP7): Micro and Nanocrystalline Functionally Graded Materials for Transport Applications
  - INN.VIN (FP7): Innovative Material solutions for transport, energy and biomedical Sectors by strengthening integration and enhancing research dynamics of KMM-VIN”
  - ADMACOM (FP7): Manufacturing processes for products made of composites or engineered metallic materials
  - NAMABIO (FP7): From nano to macro biomaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine (NAMABIO)
  - INCOMMUN (H2020): Development of innovative implants through the integration of new materials concepts, advanced Manufacturing and Modelling tools (*under review*)



IFAM benefits from regular participation in EU projects, relying on professional proposal writing and EU networking activities