

“A vision of metamaterials in Europe: the Network of Excellence METAMORPHOSE”, pp.100-106

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Abstract – The main aim of this paper is to highlight the activities developed at the European level in the field of metamaterials. The number of Research Groups, Laboratories and Institutes active in this research area has grown dramatically in the last few years. Some of these institutions have recently formed a Consortium and received a financial support from the European Commission within the VI Framework Program in the form of a Network of Excellence (METAMORPHOSE NoE), with the aim of coordinating activities, integrating efforts, and re-shaping the European research on metamaterials. The main objectives of this NoE, including its research program, training and spreading activities, are detailed in the paper. Before the end of the project (May 2008), the network is expected to create a single self-sustaining institution, the Virtual Institute (VI), which will steer and structure the future European research in metamaterials. The preliminary steps already performed towards this goal are also presented in the paper.