

## Design of instrument set up at the board of UAV

In order to meet all the needs for campaign measurements implementation that will take place in 2014 an unmanned air vehicle has been adapted by a specialized team consisting of engineers and technical staff.

The unmanned air vehicle best suited for airborne measurements is Clipped Wing Cub ARF 60% model, owned by the National Institute for Aerospace Research "Elie Carafoli", Bucharest. This UAV is a high performance prototype both in terms of accuracy and in terms of three-dimensional maneuvers. This airplane model is designed and built from the best materials currently used in UAV industry, all these issues having as main goal ensuring maximum safety of flight.



*Fig. 1 Air vehicle 60% ARF Clipped Wing Cub*

UAV is also equipped with a Nelsn Hobby's control system consisting of a custom motherboard SMARTFLY boards Personally, flight insurance that guarantees necessary redundancy in optimal conditions.

Illustration stages of adapting UAV's Clipped Wing Cub ARF 60%

