Data accompanying report – Bulgaria
(2009 visual assessment of tree crowns)

Description of the sample plots

The realization of the Program for large-scale monitoring of forests in Bulgaria in 2009 is carried out in 159 sample plots. The coordinates of each sample plot is measured through GPS devices. The exact coordinates of the sample plots are filled in the relevant form. 67 of these sample plots are part of the existing large-scale monitoring network. This was one of the main criteria for determination of the 159 FutMon monitoring plots – to avoid loss of the information accumulated over the years. 42 sample plots are new, they are selected in 2009. They have been selected so as to cover the most typical biotopes in Bulgaria and the tree species with high economic and environmental importance as well as to coincide with certain habitats in Natura 2000. The remaining 50 sample plots are part of the existing large-scale monitoring network therefore data have been reported during previous years. There was established strong drying two old trees and human activity affecting over half of the number of trees. As a result, it was considered that they can not be a source of qualitative information. The observations in these sample plots have been suspended and new sample plots in immediate proximity have been selected, they are given new numbers. The folowing table shows their correspondence:

Old plot number	New plot number
0007	0655
0042	0656
0077	0657
0141	0658
0156	0659
0205	0660
0220	0661
0221	0662
0188	0663
0171	0664
0155	0665
0140	0666
0107	0667
0073	0668
0056	0669
0089	0670
0088	0671
0119	0672
0136	0673
0135	0674
0183	0675
0199	0676
0198	0677
0232	0678
0231	0679

Old plot number	New plot number
0249	0680
0306	0681
0287	0682
0440	0683
0432	0684
0365	0685
0055	0637
0100	0638
0116	0639
0157	0640
0173	0641
0222	0642
0236	0643
0240	0644
0257	0645
0335	0646
0336	0647
0408	0648
0410	0649
0422	0650
3109	0651
4630	4701
5040	0652
0026	0653
4500	4702

The monitoring activities are carried out in conformity with the requirements of **ICP Forests Manual.**

Assessment of the crowns

The assessment of the crowns was carried out at 159 sample plots, on 5560 trees (2360 conifers and 3200 broadleaves). The observation of the health status of the trees includes assessment of the defoliation with 5% percent step, change of the colors in 5 classes, affected part, location of the damage, agents cause and extent of the damage. The trees are selected according to the Craft scale and all requirements laid down in the manual. For accurate determination of the damage and the agents cause, samples from the affected parts (leaves, twigs, pieces of dead wood) have been taken, they are analyzed in labolatory conditions through biological and microscopic methods.