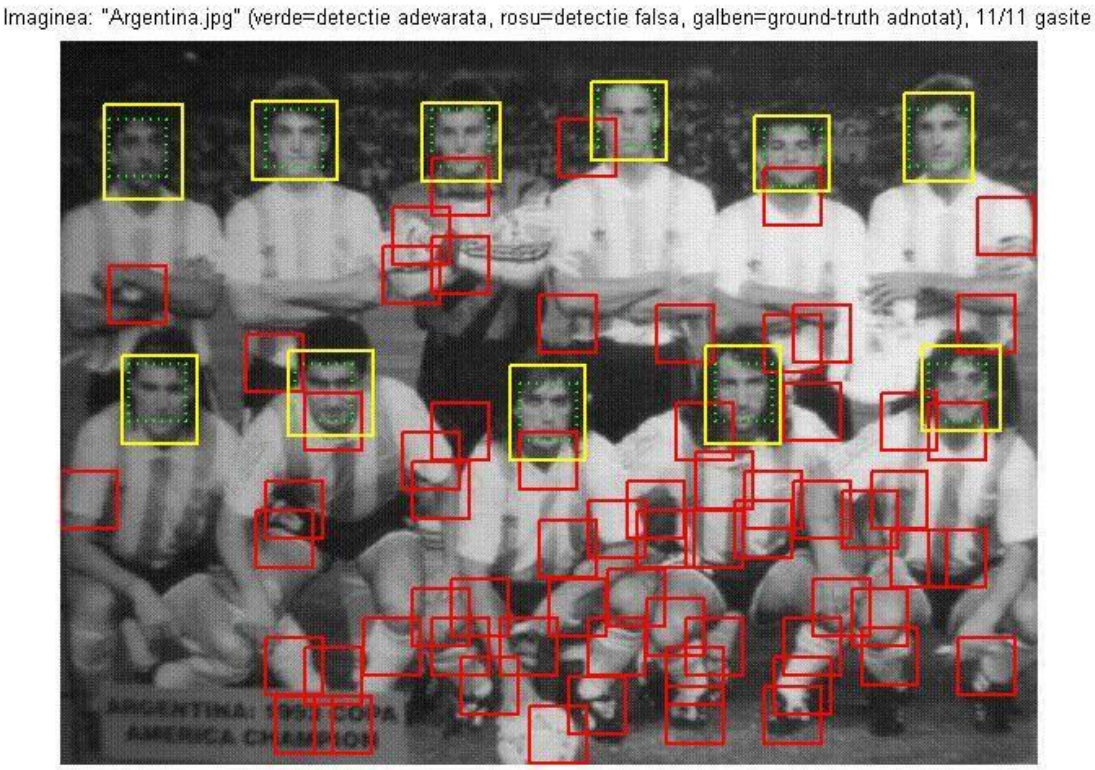
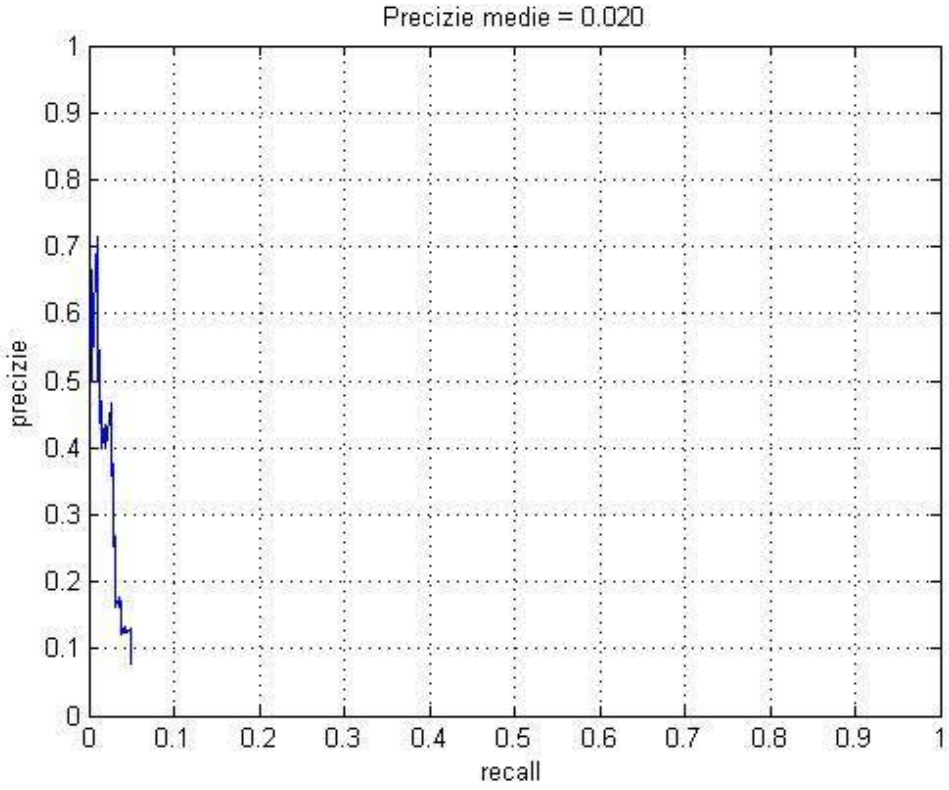
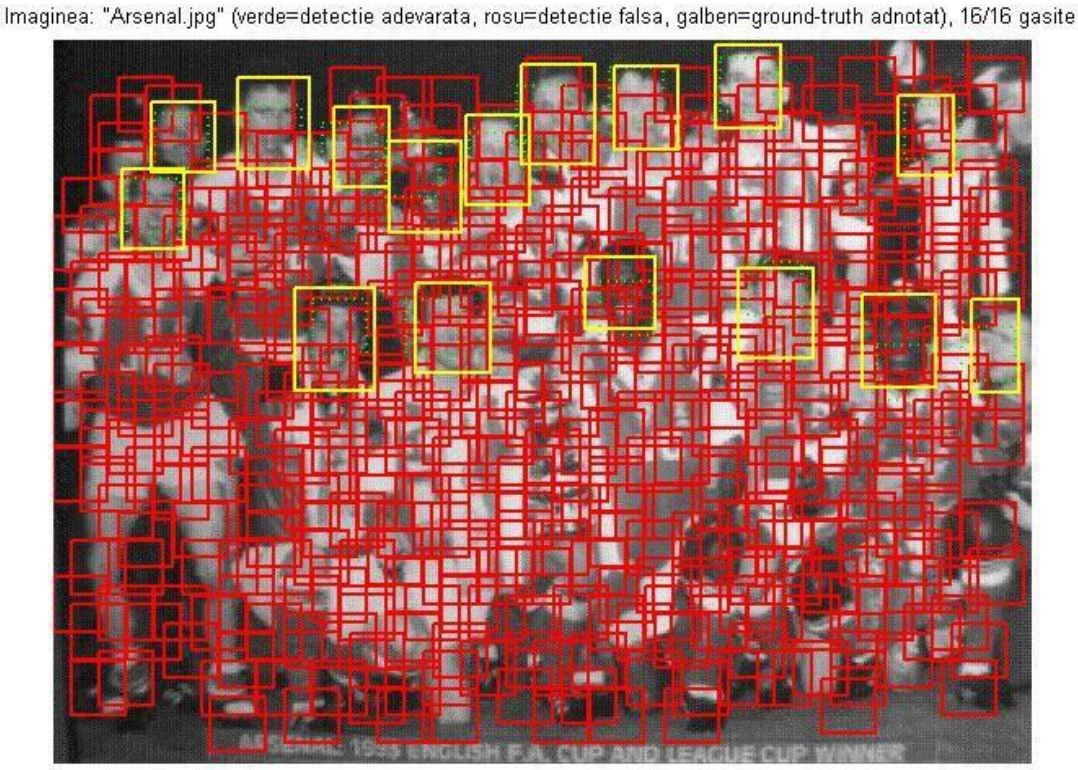
Detectare faciala folosind metoda glisarii ferestrei si histograme de gradienti orientati

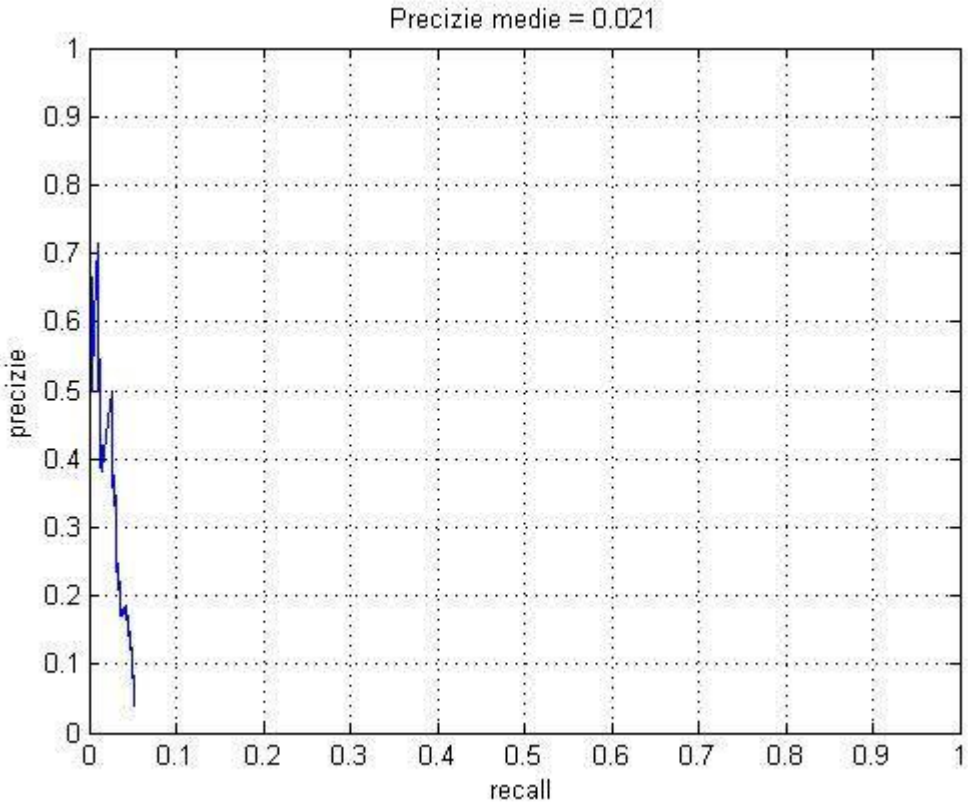
a) Rezultatele mai multor experimente:
   - parametri.dimensiuneCelulaHOG = 6; parametri.threshold = -2;



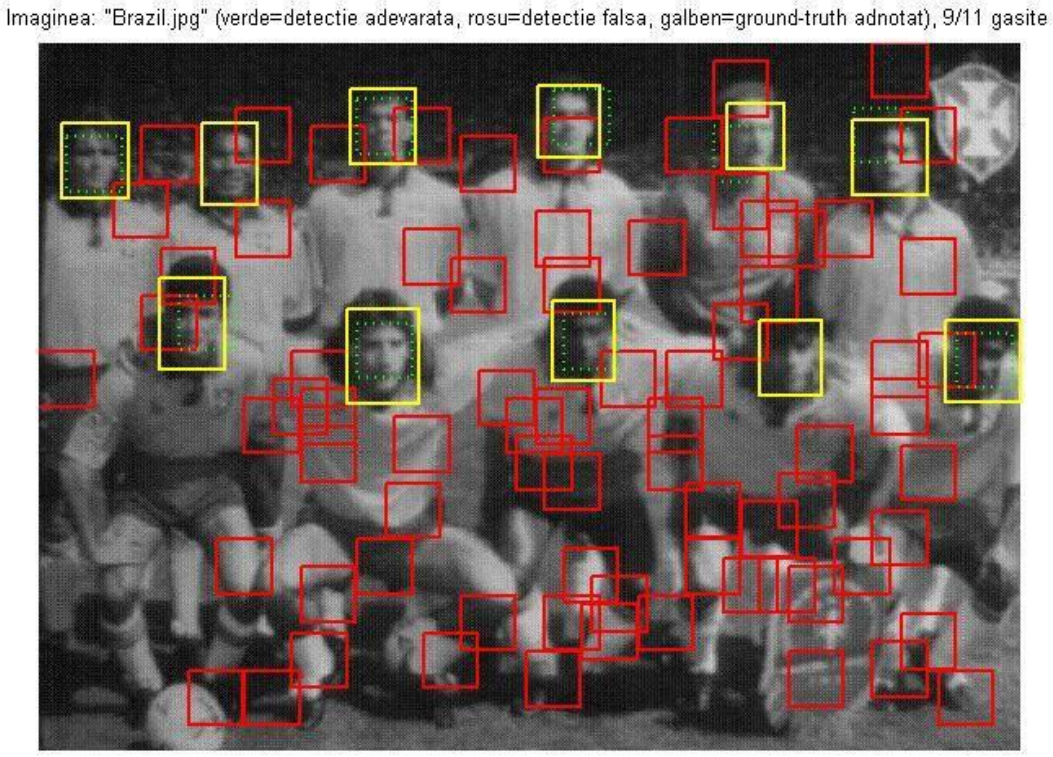


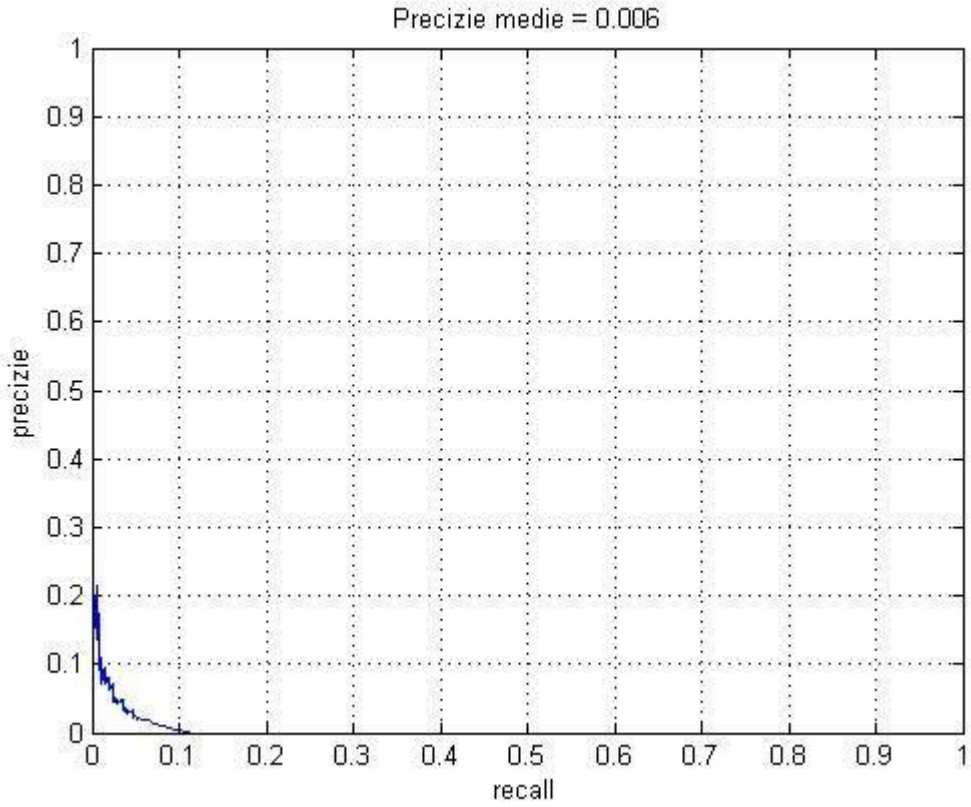
- parametri.dimensiuneCelulaHOG = 6; parametri.threshold = -2.5;





- parametri.dimensiuneCelulaHOG = 6; parametri.threshold = -1;



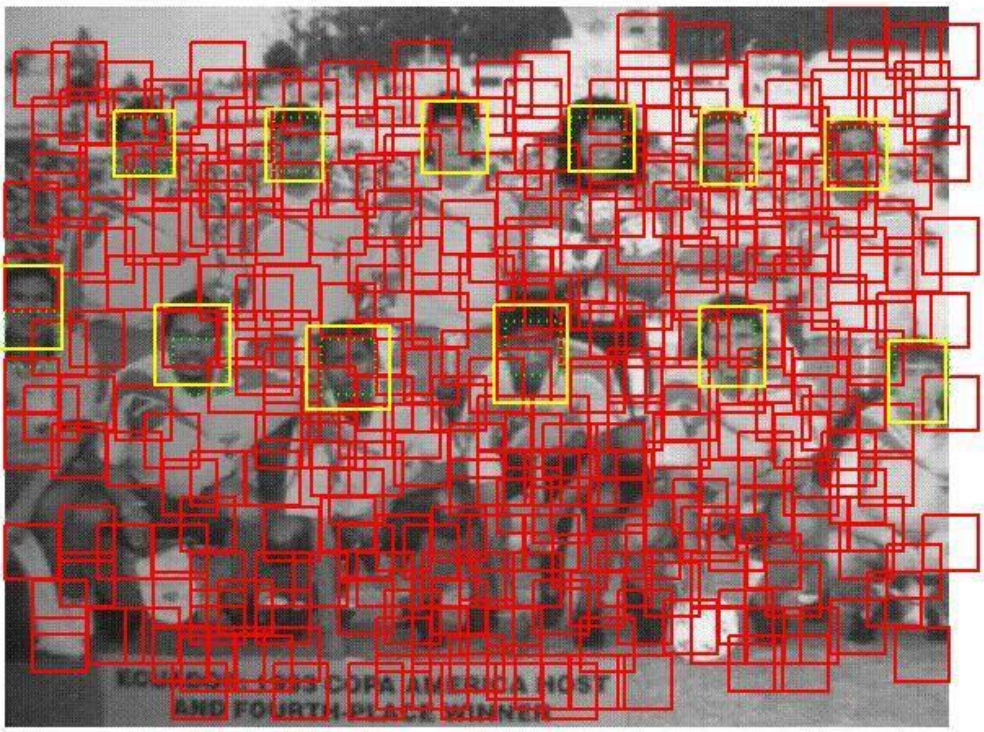


b) Rezultatul cel mai bun al algoritmului este in cazul valorii minime alocate variabilei parametri.threshold (-2.5), in aceasta situatie precizia medie fiind maxima (0.21), obtinand in acelasi timp cele mai multe detectii adevarate, dar si numarul de detectii false maxim.

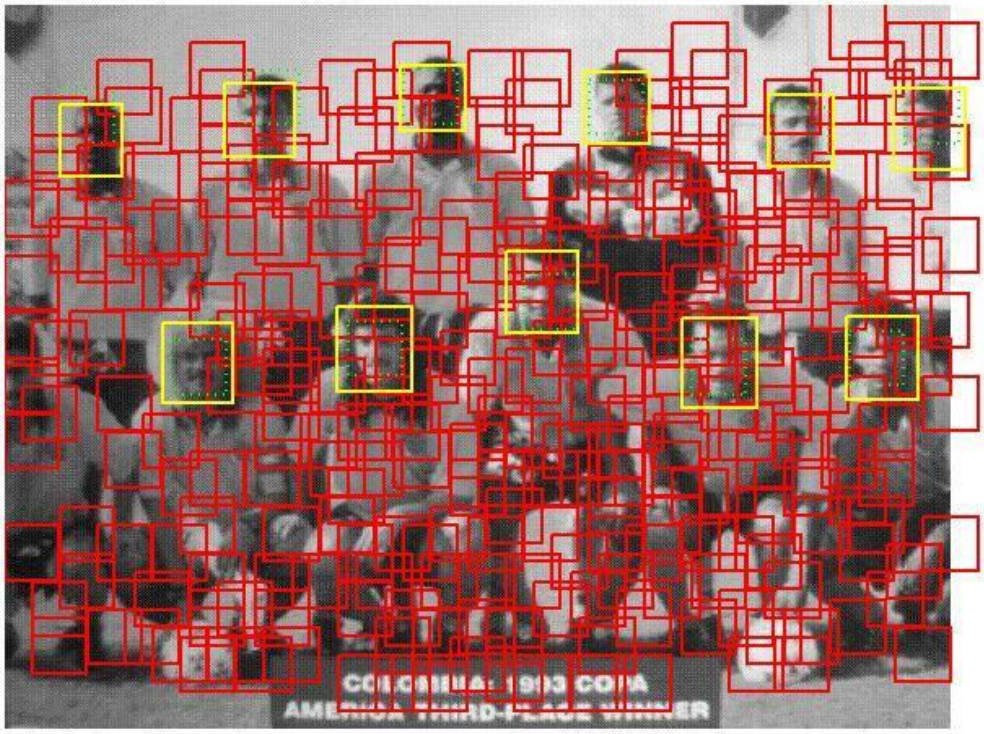
c) Vizualizari:

Imaginea: "England.jpg" (verde=detectie adevarata, rosu=detectie falsa, galben=ground-truth adnotat), 11/11 gasite

Imaginea: "Ecuador.jpg" (verde=detectie adevarata, rosu=detectie falsa, galben=ground-truth adnotat), 12/12 gasite



Imaginea: "Colombia.jpg" (verde=detectie adevarata, rosu=detectie falsa, galben=ground-truth adnotat), 11/11 gasite



Imaginea: "Germany.jpg" (verde=detectie adevarata, rosu=detectie falsa, galben=ground-truth adnotat), 11/11 gasite

Imaginea: "USA.jpg" (verde=detectie adevarata, rosu=detectie falsa, galben=ground-truth adnotat), 10/14 gasite

Imaginea: "J-L_Picard.Baldy.jpg" (verde=detectie adevarata, rosu=detectie falsa, galben=ground-truth adnotat), 1/1 gasite