Ref. no: 13-P	Project title	Carbon Analysis with Bioethanol Production from Agricultural Residues					
Name of legal entity	Country	Proportion carried out by legal entity (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of consortium members, if any
Sustainable Development and Cleaner Production Center (SDCPC)	Turkey	100	3	Bogazici University	Bogazici University, Scientific Research Projects	August 2010- August 2013	
Detailed description of project					Type of services provided		
 The main goal of the Copenhagen summit (COP15, December, 2009) is to prevent the temperature rising more than 2 °C above and stabilize the total greenhouse gas (GHG) emission level at 450 ppm. Within this scope, all countries in appendix 1 should cut carbon emissions by 25-40% below 1990 levels by 2020. Turkey is an appendix 1 country with a different position accepted by the committee and has the highest carbon emissions among the OECD and appendix 1 countries. The effect of chemical composition of the selected feedstocks on hydrolysis process will be evaluated and production of bioethanol fuel for transportation sector (lab/pilot scale) derived from the selected agricultural wastes (wheat straw and corn stover) which cannot be disposed properly will be achieved in this proposed study. Bioethanol will be produced from selected agricultural waste by enzymatic hydrolysis/fermentation methodology with the application of different enzymes and fuel properties compared according to EU bioethanol fuel standard "EN 15376". 					- Evaluation the selec - Evaluat method	of the effects of c ted feedstocks on bioethanol pro tion of different bi ologies in terms of efficien	hemical composition of hydrolysis process in oduction. oethanol production f product quality and cy