Comiteee: United Nations Development Programme

Agenda: Production of Sustainable Biomass Energy

Country: Canada

Delegate: Çağrı Çelik

We need to be in association with nature. We can't stand up against nature, we live in nature. In our world nature problems like air pollution are getting higher everyday. And we need to use renewable energies to get over this pollutions. Biomass energy plays very important role in renewable energy production. Biomass energy have so many benefits for us. In rural areas, it helps to generating income and employment with harvesting of biomass resources. Canada is a large country in North America because of that we always need heat and electricity. Without biomass energy we are doing it with coals and it increases air pollution in Canada. But with biomass we can reduce the air pollution and get rid of air pollution based health problems.

Canada's power mix is already one of the cleanest in the world, with abour 80 percent of its electricity coming from renewable energy sources. Canada is one of the world's largest per-capita consumers of enegry, even the energy required for heating in power in a large northern country are to much. Canada have so many goals and programs for coal electricity and renewable energy sources. The contribution of forest biomass to Canada's energy supply has increased from 3 to 4% in the 1970s to 5-6% today. Changes in pulp and paper technology have resulted in most of this increase. Our ambitions for phase out coal power are to support Canadian's to reduce their energy consumption, and to ensure Canadians have acces to clean and renewable energy. We want to get our %90 of the energy from renewable and non-emitting resources by 2030. Canadian Forest Service(CFS) researchers are researching to determine how much biomass, by species of tree and by ecosystem type, can safely be removed from forests while still maintaining healthy ecological functions. Governments are afraid of the price of production of sustainable biomass energy but if we don't care biomass energy and renewable energies right now, maybe we don't have the time to care them later. Because of that we need to find cost-effective solutions for biomass energy. We strive to adopt cost-effective standarts for technolohies to reduce electricity consumption. And we are expanding infrastructure and upgrading technology to provide clean energy. In the area of biotechnology, the CFS is exploring a range of applications for

improving forest regeneration, protecting forests through biological pest control, and conserving forests genetic diversity.

As Canada we think that we need to do more research on forest biomass. If we do more researchs and technological innovations about forest biomass, we can generate new job opportunities for people and decrease the unemployed people. In the rural areas we can support argicurtural researchs and activities for more cost-effective ways to get biomass energy. For biomass to be directed effectively into energy production, the biomass must be supplied at a competitive cost and its use for this purpose must cause minimal environmental impact. The quality of the biomass must also be optimal for energy conversion and end use.