



MINISTERIO  
PARA LA TRANSICIÓN ECOLÓGICA  
Y EL RETO DEMOGRÁFICO

Segundo ejercicio del proceso selectivo para el ingreso por el  
sistema general de **ACCESO LIBRE** en el  
**CUERPO DE INGENIEROS DE MONTES DEL ESTADO**

PARTE A – IDIOMA INGLÉS

Resolución de 17 de junio de 2021 (BOE 1 de julio de 2021)

**TEXTO:**

**People, Biodiversity and Forests**

Much of human society today has at least some interaction with forests and with the biodiversity they contain, and all people benefit from the functions provided by components of this biodiversity in the carbon, water and nutrient cycles and through the links with food production.

People's relationships with forest biodiversity vary from region to region and country to country, and also differ widely depending on the context – from protected areas with limited human activities, to communities deep inside forests, to farmed and ranched landscapes, to towns and larger urban centres, to the world's largest cities.

In both developing and developed countries and in all climatic zones, communities that live within forests rely the most directly on forest biodiversity for their lives and livelihoods, using products derived from forest resources for food, fodder, shelter, energy, medicine and income generation. Other rural people, most of whom live in landscapes containing a mix of grasslands, farmlands and tree cover, often participate in the value chains of forest biodiversity, for example by collecting wood and non-wood products from nearby forests for personal use or sale or engaging in forest-product industries or value addition. We will now look at a few examples that give some indication of the number of people dependent on forests for their livelihood. However, a precise estimate of the number of forest-dependent people does not currently exist.

In developing countries, woodfuel, that is to say fuelwood and charcoal, is particularly important, both for household use and for sale, with an estimated 880 million people worldwide spending part of their time collecting fuelwood or producing charcoal. More than 40 million people – 1.2 percent of the global workforce – are engaged in commercial fuelwood and charcoal activities to supply urban centres. Production of woodfuel generated USD 33 billion of revenue globally in 2011. The sustainability of its production is hence extremely important.

Wood and non-wood forest products (NWFPs) provide around 20 percent of income for rural households in developing countries with moderate to good access to forest resources. Taking into account direct, indirect, and induced employment, the formal forest sector provides an estimated 45 million jobs globally and labour income in excess of USD

580 billion per year. Small and medium-sized forest enterprises (SMFEs) account for about 20 million of these jobs, generating value of USD 130 billion per year. Globally, the reported value of non-wood forest products in 2015 amounted to almost USD 8 billion. These estimates are all likely to be significantly lower than actual figures, since much of the forest sector globally is in the informal economy and not well tracked in national statistics.

The informal forest sector – defined as non-commercial, subsistence and unregulated and unreported small-scale enterprises – was estimated to have generated USD 124 billion in revenue in 2011, providing employment for an additional estimated 41 million people. Non-wood forest products are particularly important in this sector, providing food, income and nutritional diversity for hundreds of millions of people around the world, notably women, children, landless farmers, indigenous peoples and others in vulnerable situations. The gathering of food, medicinal plants, craft materials, other non-wood forest products and woodfuel forms a significant component of women's contributions to household livelihoods. In some remote areas, the sale of such products is the only source of cash available to women.

Non-consumptive uses of forest biodiversity, such as recreation and tourism, are also a growing part of rural cash economies. Each year an estimated 8 billion visits are made to protected areas, many of which are forest covered, and associated in-country expenditures are estimated to be in the order of USD 600 billion annually.

In addition, forest biodiversity may provide a safety net for hundreds of millions of people as source of food, energy and income during hard times, although this function may be limited by seasonal fluctuations and decreased availability during extreme events.

Urban populations have long benefited from a range of wood and non-wood forest products, from paper and furniture to mushrooms, forest fruits and wild game. A significant proportion of poor urban people depend on fuelwood and charcoal to cook their food, particularly in Africa. In more prosperous economies, urban people are showing a growing interest in foods, cosmetics and other products from the forest, as illustrated by the appearance of products from forest species on supermarket shelves or in the recipes of cutting-edge chefs around the world.

In addition, an increasing number of economically well-off people in developed and developing countries are opting to live at least part-time in forested areas, with biodiversity being one of the main attractants, in what has been termed amenity migration.

Indigenous people depend to a particularly high degree on forest biodiversity for their livelihoods, although this relation is in flux as their linkages with national and global monetary economies grow. Areas managed by indigenous peoples, currently approximately 28 percent of the world's land surface, include some of the most ecologically intact forests and many hotspots of biodiversity. Indigenous communities often have a deep cultural and spiritual relationship with their ancestral forest lands and age-old knowledge about biodiversity, much of which is at risk of being lost. The intangible contribution of forests and their biodiversity to people's identity and sense of well-being is undervalued in many economic assessments.