**LA TRANSAZIONE CHE NON C’E’**

**ALBERTO CLO’**

**Global energy demand and electricity generation by source**

| Energy Demand (Mtoe) | Shares (%) |
| --- | --- |
|   | 2018 | 2000 | 2018 |
| Total Primary Energy Demand | 14 301 | 100% | 100% |
| Coal | 3 778 | 23% | 26% |
| Oil | 4 488 | 36% | 31% |
| Gas | 3 253 | 21% | 23% |
| Nuclear |  710 | 7% | 5% |
| Hydro |  364 | 2% | 3% |
| Biomass and waste | 1 418 | 10% | 10% |
| Other renewables |  289 | 1% | 2% |

***Global energy demand and electricity generation by source***

| *Electricity Generation (TWh)* | *Shares (%)* |
| --- | --- |
|  | *2018* | *2000* | *2018* |
| ***Total Generation*** | ***26 672*** | ***100%*** | ***100%*** |
| *Coal* | *10 116* | *39%* | *38%* |
| Oil |  903 | 8% | 3% |
| Gas | 6 091 | 18% | 23% |
| Nuclear | 2 724 | 17% | 10% |
| Hydro | 4 239 | 17% | 16% |
| Biomass and waste |  669 | 1% | 3% |
| **New Renewables** |  |  |  |
| Wind | 1 217 | 0% | 5% |
| Solar photovoltaics |  570 | 0% | 2% |
| Other renewables |  144 | 0% | 1% |

**ABBATTERE LE FOSSILI?**

***Consumi di Energia nel mondo (2018)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Fossili** | **Nucleare** | **Idro** | **Altre Rinnovabili** | **TOTALE** |
| **Mil. Tep.** | **11,7** | **0,6** | **0,9** | **0,6** | **13,8** |
| **%** | **85,0** | **4,0** | **7,0** | **4,0** | **100** |

***Ruolo dei Fossili***

|  |  |
| --- | --- |
| **85%** | **Consumi Energia** |
| **64%** | **Generazione Elettrica** |
| **1 miliardo.** | **Persone Riscaldate** |
| **95%** | **Trasporti** |

 ***Fossili Alimentano***

|  |  |
| --- | --- |
| **1,8 mld. Tonn.** | **Acciaio** |
| **4 mld. Tonn.** | **Cemento** |
| **1,25 mld. Tonn.** | **Autovetture** |
| **200 mil. Tonn.** | **Ammoniaca** |
| **300 mil. Tonn.**  | **Plastica** |
| **4 mil. km.** | **Oleodotti / Gasdotti** |