



Global Aquaculture Production statistics database updated to 2013

Summary information

Fisheries and Aquaculture Department



In March 2015, the FAO Global Aquaculture Production statistics database was updated to 2013. The dataset covering 1950–2013 can be consulted online at www.fao.org/fishery/statistics/global-aquaculture-production/query/en. **FishStatJ**, the data dissemination package loaded with several datasets including aquaculture production can be downloaded at www.fao.org/fishery/statistics/software/fishstatj/en.

- World aquaculture production continued to grow in 2013, reaching 97.2 million tonnes (live weight) with an estimated value of USD157 billion. A total of 575 aquatic species and species groups grown in freshwater, seawater and brackish water have been registered in the FAO Global Aquaculture Production statistics database.
- The production of farmed food fish (finfish, crustaceans, molluscs and other aquatic animals) was 70.2 million tonnes in 2013, up by 5.6 percent from 66.5 million tonnes in 2012. The production of 27 million tonnes of farmed aquatic plants was a 13.4 percent jump on the 23.8 million tonnes of 2012.
- The contribution of aquaculture to the world total fish production reached 43.1 percent, up from 42.1 percent in 2012. It was only 30.6 percent a decade ago in 2003. Meanwhile, world production of aquatic plants, mostly seaweeds, is still overwhelmingly dominated by aquaculture (95.5 percent in 2013).
- On a global scale, the production of major non-fed species contributed 30.7 percent to world food fish aquaculture production in 2013, including 13.9 million tonnes of bivalves and 7.7 million tonnes of filter-feeding carps. The great potential of marine bivalve aquaculture in most maritime countries in Africa and Central America remains untapped.
- Following Asia, Africa improved its share in world farmed food fish production, up from 1.3 percent in 2003 to 2.3 percent in 2013. The shares of the Americas and Europe declined gradually to all-time lows of 4.4 and 4 percent, respectively, in 2013. Oceania has held steady at 0.3 percent since 2001. The overall situation of highly imbalanced aquaculture development status and uneven distribution of production remains largely unchanged.
- Globally, inland finfish aquaculture has been the most important driver for total increase in annual output. This subsector contributed 64.9 percent to the 2003–2013 increase in world farmed food fish production.

The tables below present some key figures on world production and top-ten producers by selected measurements in 2013 (all data presented are subject to rounding).

Table 1: World aquaculture production quantity of food fish* and aquatic plants in 2013
(Unit: 1 000 tonnes, live weight)

| | Inland aquaculture | Mariculture | Subtotal |
|--------------------------|--------------------|---------------|---------------|
| Finfish | 41 292 | 5 778 | 47 071 |
| Crustaceans | 2 584 | 4 128 | 6 712 |
| Molluscs | 283 | 15 231 | 15 514 |
| Other aquatic animals | 525 | 368 | 893 |
| Food fish total | 44 685 | 25 505 | 70 190 |
| Aquatic plants | 82 | 26 896 | 26 978 |
| Aquaculture total | 44 767 | 52 401 | 97 168 |

* Food fish includes finfishes, crustaceans, molluscs, amphibians, reptiles (excluding crocodiles) and other aquatic animals (such as sea cucumbers and sea urchins) for human consumption.

Table 2: World aquaculture production value of food fish and aquatic plants in 2013
(Unit: million USD)

| | Inland aquaculture | Mariculture | Subtotal |
|--------------------------|--------------------|---------------|----------------|
| Finfish | 67 834 | 26 229 | 94 062 |
| Crustaceans | 14 237 | 17 616 | 31 852 |
| Molluscs | 227 | 20 521 | 20 748 |
| Other aquatic animals | 2 560 | 1 125 | 3 685 |
| Food fish total | 84 857 | 65 490 | 150 348 |
| Aquatic plants | 46 | 6 655 | 6 701 |
| Aquaculture total | 84 904 | 72 145 | 157 049 |

Table 3: World food fish production quantity by continent from inland aquaculture and mariculture*
(Unit: tonnes, live weight)

| | | 2004 | 2006 | 2008 | 2010 | 2012 | 2013 |
|-----------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Africa | Inland aquaculture | 546 229 | 739 383 | 928 296 | 1 273 583 | 1 467 979 | 1 594 069 |
| | Mariculture | 12 659 | 15 096 | 14 632 | 12 858 | 17 408 | 21 539 |
| | Subtotal | 558 888 | 754 480 | 942 929 | 1 286 441 | 1 485 387 | 1 615 608 |
| Americas | Inland aquaculture | 732 546 | 752 019 | 828 429 | 977 186 | 959 599 | 986 017 |
| | Mariculture | 1 410 204 | 1 616 511 | 1 673 956 | 1 604 020 | 2 018 361 | 2 082 738 |
| | Subtotal | 2 142 750 | 2 368 530 | 2 502 386 | 2 581 206 | 2 977 959 | 3 068 755 |
| Asia | Inland aquaculture | 22 792 152 | 26 045 457 | 30 187 149 | 34 065 292 | 39 065 422 | 41 645 016 |
| | Mariculture | 14 102 439 | 15 734 314 | 16 813 938 | 18 375 080 | 19 890 348 | 20 901 648 |
| | Subtotal | 36 894 591 | 41 779 771 | 47 001 087 | 52 440 372 | 58 955 770 | 62 546 664 |
| Europe | Inland aquaculture | 468 204 | 442 954 | 478 623 | 466 615 | 461 480 | 455 722 |
| | Mariculture | 1 704 980 | 1 749 764 | 1 851 427 | 2 077 363 | 2 415 246 | 2 325 403 |
| | Subtotal | 2 173 184 | 2 192 718 | 2 330 050 | 2 543 978 | 2 876 726 | 2 781 125 |
| Oceania | Inland aquaculture | 1 546 | 2 392 | 2 217 | 3 691 | 4 231 | 4 042 |
| | Mariculture | 137 899 | 158 397 | 172 839 | 181 957 | 177 226 | 173 653 |
| | Subtotal | 139 445 | 160 789 | 175 056 | 185 648 | 181 458 | 177 695 |
| World | Inland aquaculture | 24 540 677 | 27 982 205 | 32 424 714 | 36 786 367 | 41 958 711 | 44 684 866 |
| | Mariculture | 17 368 181 | 19 274 082 | 20 526 792 | 22 251 278 | 24 518 589 | 25 504 981 |
| | TOTAL | 41 908 857 | 47 256 287 | 52 951 509 | 59 037 646 | 66 477 300 | 70 189 848 |

* Inland aquaculture also includes production using inland saline water in inland areas, such as in Egypt. Mariculture includes sea-based as well as land-based production operations.

Table 4: World top producers by selected measurements of aquaculture productions
(Unit: tonnes, live weight)

| Top-10 producers: finfish – inland aquaculture | | |
|--|-------------------|-------------|
| China | 24 817 311 | 60.1% |
| India | 4 148 407 | 10.0% |
| Indonesia | 2 459 418 | 6.0% |
| Viet Nam | 2 369 903 | 5.7% |
| Bangladesh | 1 647 827 | 4.0% |
| Egypt | 1 091 688 | 2.6% |
| Myanmar | 869 384 | 2.1% |
| Thailand | 467 249 | 1.1% |
| Brazil | 388 700 | 0.9% |
| Philippines | 318 798 | 0.8% |
| Others | 2 713 481 | 6.6% |
| WORLD | 41 292 167 | 100% |

| Top-10 producers: finfish – mariculture | | |
|---|------------------|-------------|
| Norway | 1 245 399 | 21.6% |
| China | 1 123 576 | 19.4% |
| Chile | 736 310 | 12.7% |
| Indonesia | 720 545 | 12.5% |
| Philippines | 375 735 | 6.5% |
| Japan | 242 905 | 4.2% |
| United Kingdom | 156 220 | 2.7% |
| Greece | 124 740 | 2.2% |
| Canada | 122 024 | 2.1% |
| Turkey | 110 845 | 1.9% |
| Others | 820 088 | 14.2% |
| WORLD | 5 778 387 | 100% |

| Top-10 producers: crustaceans – inland aquaculture | | |
|--|------------------|-------------|
| China | 2 429 437 | 94.0% |
| Bangladesh | 50 156 | 1.9% |
| United States of America | 48 567 | 1.9% |
| Thailand | 18 500 | 0.7% |
| Taiwan Province of China | 13 643 | 0.5% |
| India | 7 100 | 0.3% |
| Egypt | 5 856 | 0.2% |
| Viet Nam | 4 759 | 0.2% |
| Indonesia | 3 387 | 0.1% |
| Myanmar | 872 | 0.0% |
| Others | 1 691 | 0.1% |
| WORLD | 2 583 968 | 100% |

| Top-10 producers: crustaceans – mariculture | | |
|---|------------------|-------------|
| China | 1 340 218 | 32.5% |
| Indonesia | 636 167 | 15.4% |
| Viet Nam | 553 701 | 13.4% |
| Thailand | 329 135 | 8.0% |
| Ecuador | 304 000 | 7.4% |
| India | 290 200 | 7.0% |
| Mexico | 120 585 | 2.9% |
| Bangladesh | 90 105 | 2.2% |
| Philippines | 75 499 | 1.8% |
| Brazil | 64 669 | 1.6% |
| Others | 323 432 | 7.8% |
| WORLD | 4 127 710 | 100% |

| Top-10 producers: molluscs – mariculture | | |
|--|-------------------|-------------|
| China | 12 728 046 | 83.4% |
| Japan | 332 460 | 2.2% |
| Republic of Korea | 291 024 | 1.9% |
| Chile | 252 528 | 1.7% |
| Thailand | 217 467 | 1.4% |
| Viet Nam | 179 163 | 1.2% |
| Spain | 164 976 | 1.1% |
| United States of America | 160 458 | 1.1% |
| France | 156 980 | 1.0% |
| Italy | 110 645 | 0.7% |
| Others | 668 875 | 4.4% |
| WORLD | 15 262 622 | 100% |

| Top-10 producers: seaweeds – mariculture | | |
|--|-------------------|-------------|
| China | 13 479 355 | 50.1% |
| Indonesia | 9 298 474 | 34.6% |
| Philippines | 1 558 378 | 5.8% |
| Republic of Korea | 1 131 305 | 4.2% |
| Democratic People's Republic of Korea | 444 300 | 1.7% |
| Japan | 418 365 | 1.6% |
| Malaysia | 269 431 | 1.0% |
| Zanzibar (United Republic of Tanzania) | 110 438 | 0.4% |
| Viet Nam | 87 280 | 0.3% |
| Denmark | 40 000 | 0.1% |
| Others | 58 678 | 0.2% |
| WORLD | 26 896 004 | 100% |

| Top-10 producers: farmed food fish | | |
|---|-------------------|-------------|
| China | 43 549 738 | 62.0% |
| India | 4 549 607 | 6.5% |
| Indonesia | 3 819 732 | 5.4% |
| Viet Nam | 3 207 200 | 4.6% |
| Bangladesh | 1 859 808 | 2.6% |
| Norway | 1 247 865 | 1.8% |
| Egypt | 1 097 544 | 1.6% |
| Thailand | 1 056 944 | 1.5% |
| Chile | 1 033 206 | 1.5% |
| Myanmar | 929 180 | 1.3% |
| Others | 7 839 023 | 11.2% |
| WORLD | 70 189 848 | 100% |

| Top-10 producers: food fish and aquatic plants | | |
|---|-------------------|-------------|
| China | 57 111 183 | 58.8% |
| Indonesia | 13 118 206 | 13.5% |
| India | 4 554 109 | 4.7% |
| Viet Nam | 3 294 480 | 3.4% |
| Philippines | 2 373 386 | 2.4% |
| Bangladesh | 1 859 808 | 1.9% |
| Republic of Korea | 1 533 446 | 1.6% |
| Norway | 1 247 865 | 1.3% |
| Egypt | 1 097 544 | 1.1% |
| Thailand | 1 056 944 | 1.1% |
| Others | 9 921 188 | 10.2% |
| WORLD | 97 168 160 | 100% |

Users of FishStatJ may note that several new customized groups of countries (ANAF, ASEAN, CIFAA, NACA, OECD and G-77) are now added in the built-in reference list to enable data extraction/filtering for countries belonging to these groups. These groups are listed under “Regional fisheries commissions”.

To access the database: <http://www.fao.org/fishery/statistics/en>

To inquiry: Fish-Statistics-Inquiries@fao.org

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