

Nuffic
meet the world

Orange Knowledge Programme 2021



Content

1 Orange Knowledge Programme	3
2 Results in 2021	6
3 Results per priority theme	9
Sexual and Reproductive Health & Rights	10
Security & Rule of Law	13
Water	16
Food & Nutrition Security	19
4 Alumni	22
5 Abbreviations	27

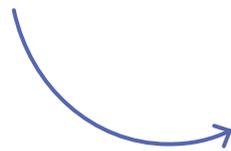
1 Orange Knowledge Programme



Orange Knowledge Programme

offers access to education and training so that professionals and organisations can strengthen their knowledge and skills.

With focus on



Contributing to

SDG 4

a relevant and accessible education system of good quality

SDG 17

sustainable partnerships between persons and organisations

Strengthening organisations key to (sectoral) development of partner countries by inflow of enhanced workforce.

The Orange Knowledge Programme is funded by the Dutch Ministry of Foreign Affairs and managed by Nuffic. Duration: from mid-2017 to mid-2023. Budget: €237 million. www.nuffic.nl/okp



The programme is currently available in 37 countries and has ongoing projects in up to 54 countries.

Before being promoted, Dr. Zida Karim was active within the Institutional Collaboration Project in Iraq as part of the gender team.



“The Orange Knowledge Programme gave Iraqi universities an opportunity to improve research and education on gender equality and water management by collaborating with the Netherlands.”

Dr. Zida Karim - D.G. of Planning and Following up at the Ministry of Agriculture and Water Resources, Kurdistan Regional Government, Iraq.

We manage



Individual scholarships



Group training



Institutional collaboration



Alumni activities

Key figures 2018-2021

6776



Individual scholarships

€ 93.3 million

Master's
1524 Scholarships
26% of total funds awarded

Short courses
5252 Scholarships
17% of total funds awarded

433



Group training

€ 54.5 million

Tailor-made Training +
102 Grants
14% of total funds awarded

Tailor-made Training
284 Grants
9% of total funds awarded

Refresher courses
47 Grants
2% of total funds awarded

65



Institutional collaboration projects

€ 70.1 million

65 Grants
32% of total funds awarded

18



Alumni grants & activities

€ 45.675

18 Alumni activities
1% of total funds awarded

Total funds spent per instrument



€ 218.1 million

Figures per priority theme*



Sexual & Reproductive Health & Rights

541 Scholarships
48 Group training
7 Institutional collaboration projects

SDGs 3 5



Security & Rule of Law

679 Scholarships
69 Group training
12 Institutional collaboration projects

SDG 16



Water

2201 Scholarships
76 Group training
15 Institutional collaboration projects

SDG 6



Food & Nutrition Security

1041 Scholarships
195 Group training
38 Institutional collaboration projects

SDG 2

* results per priority theme are an indication and may differ from the total numbers per instrument

2

Results in 2021



Results in 2021

The Orange Knowledge Programme (OKP) is focused on Sexual and Reproductive Health & Rights, Security & Rule of Law, Water, and Food & Nutrition Security. Its main focus is on investments in human capital at an individual, organisational and institutional level through collaboration in education and training to contribute to Sustainable Development Goal (SDG) 4 'Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all' and SDG 17 'Strengthen the means of implementation and revitalise the global partnership for sustainable development', as well as other SDGs, such as zero hunger (SDG 2), good health and wellbeing (SDG 3), gender equality (SDG 5), and clean water and sanitation (SDG 6).

In 2021 the programme had a stronger focus on Sexual and Reproductive Health & Rights and Security & Rule of Law. The themes were given extra attention through specific calls and promotion, as they were underrepresented in the Orange Knowledge Programme in comparison to other priority themes.

Since 2021 was originally going to be the final year of the OKP, only two new institutional collaboration projects were granted in 2021. In addition, the Orange Knowledge Programme successfully piloted a co-financing option for the Master's scholarships: 120 students received a scholarship that was funded partly by the OKP and partly by their university. In total, the number of Master's scholarships was lower than in the previous years of the programme, as there was only 1 application round. In contrast, a record number of Short Course scholarships was granted in 2021, which was largely due to catching up on delays caused by the pandemic. In the end, we are proud of what was achieved in 2021.



Results in 2021

2259



Individual scholarships

Master's
299 Scholarships
22% of total funds awarded

Short courses
1960 Scholarships
30% of total funds awarded

133



Group training

Tailor-made Training +
33 Grants
22% of total funds awarded

Tailor-made Training
90 Grants
17% of total funds awarded

Refresher courses
10 Grants
2% of total funds awarded

2



Institutional collaboration projects

2 Grants
7% of total funds awarded

7

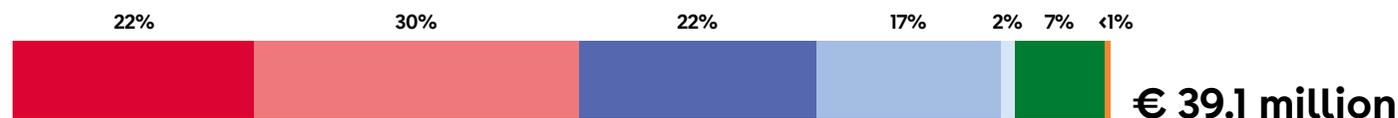


Alumni grants & activities

4 alumni activities
1% of total funds awarded

3 special alumni awards granted for impact makers

Total funds spent per instrument



Gender ratio*



Figures per priority theme*

Sexual & Reproductive Health & Rights

204 Scholarships
25 Group training
0 Institutional collaboration projects

SDGs **3** **5**

Security & Rule of Law

218 Scholarships
21 Group training
0 Institutional collaboration projects

SDG **16**

Water

642 Scholarships
10 Group training
0 Institutional collaboration projects

SDG **6**

Food & Nutrition Security

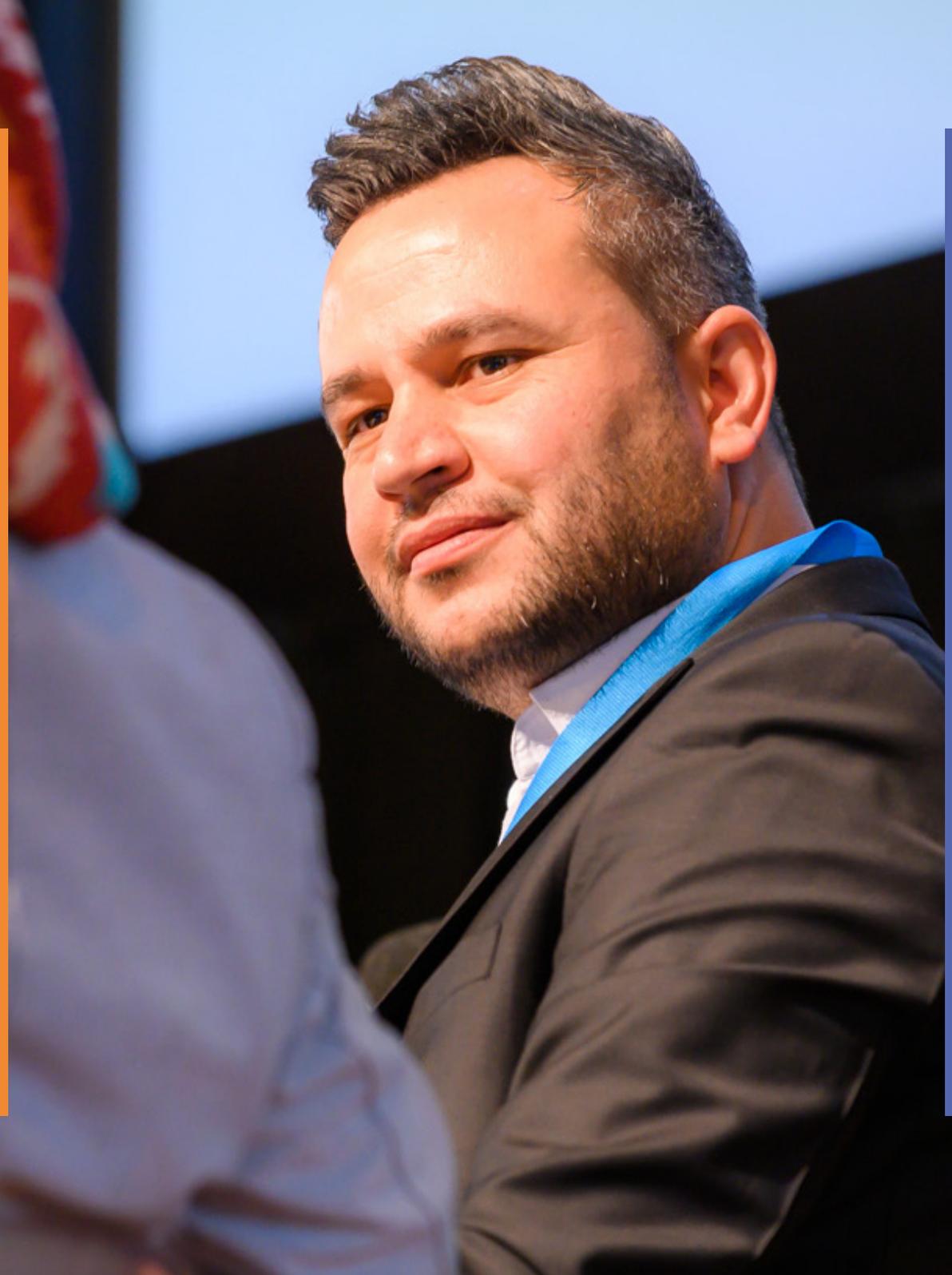
0 Scholarships
52 Group training
2 Institutional collaboration projects

SDG **2**

* results per priority theme are an indication and may differ from the total numbers per instrument

3

**Results per
priority
theme**





Sexual and Reproductive Health & Rights



204 Individual scholarships

Master's
38 Scholarships
13% of funds awarded to
Master's scholarships

Short courses
166 Scholarships
8% of funds awarded to
Short course scholarships

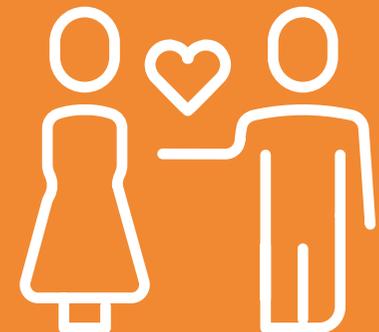


24 Group training

Tailor-made Training +
10 Grants
45% of funds awarded to
Tailor-made Training +

Tailor-made Training
14 Grants
11% of funds awarded
to Tailor-made Training

SDGs **3** **5**



 Institutional collaboration project

Strengthening education on sexual health in Mali

In Mali the Orange Knowledge institutional collaboration project FORCE has been key in starting the conversation on sexual health.

The Malian curriculum on Sexual Health and Rights had not been updated since 1998 and no longer matched current needs. Therefore, project FORCE was initiated by organisations within Mali's healthcare system and developed in collaboration with KIT Royal Tropical Institute.

The project partners created educational materials for a new sexual and reproductive health curriculum so that Malian medical technicians, midwives and nurses acquired new insights about sexual and reproductive health. The curriculum not only pays attention to the purely technical aspects of pregnancy and birth, but also addresses questions about sexuality, a currently underdiscussed topic, which is especially important for young people.

Results in 2021

The newly developed curriculum has been implemented in 5 health schools and is scheduled to be implemented in all 85 health schools in Mali in the coming years.

"Thanks to this project, I have improved my patient care."

Aminata Niangaly - one of 162 professionals that have been trained in the new curriculum.



SDGs **3** **4** **5** **10**

Impact



Before OKP

SRHR curriculum not updated since 1998



Current situation

New curriculum in 5 health schools



Upcoming years

Curriculum implemented in all 85 health schools in Mali

 Institutional collaboration project

Continuing the NICHE legacy in Uganda

In Uganda, Sexual and Gender-Based Violence (SGBV) is a serious issue. 62% of criminal cases are related to it. The former NICHE programme –the predecessor of the Orange Knowledge Programme – made a great start in improving teaching skills and knowledge to handle SGBV cases. However, at the end of NICHE, these new skills were not widely available throughout different layers and regions of the police and judicial sector. Continuing efforts to combat SGBV through capacity development were needed to truly create sustainable impact.

The Orange Knowledge project ‘End Impunity of Sexual and Gender-Based Violence’ (EIS), started in 2019 where NICHE left off. It focuses on improving skills as well as the development of e-learning material. Through a train-the-trainer principle, more and more people are being reached.

Results in 2021

Since the start of project EIS, capacity building helped to create better access to knowledge and provide necessary skills to 500+ key officers in the police and judicial sectors. Together, collaborating Dutch and Ugandan organisations continue the legacy of NICHE, and offer a serious and crucial contribution to the fight against sexual and gender-based violence in Uganda.

"Through long-term collaboration a sustainable change is made."

Rosemary Nalubega - policy officer and trainer in project EIS



SDGs **4** **5** **16** **17**

Impact



Before OKP

Ugandan police officers are unaware of laws against SGBV



Current situation

25% of researchers and 500+ officers trained



Upcoming years

Security providers are more effective and responsive to SGBV cases



Security & Rule of Law



218 Individual scholarships

Master's
38 scholarships
14% of funds awarded to
Master's scholarships

Short courses
180 scholarships
10% of funds awarded to
Short course scholarships



21 Group training

Tailor-made Training +
7 grants
17% of funds awarded to
Tailor-made Training+

Tailor-made Training
13 grants
14% of funds awarded to
Tailor-made Training

1 refresher course
10% of funds awarded
to Refresher Courses

SDG **16**



Fighting for human rights in Nigeria

Henry Chibuiké Ugwu is a legal practitioner from Nigeria. Thanks to an Orange Knowledge scholarship, he was able to pursue a Master's degree at Radboud University, specialising in Human Rights Law and Migration.

Studying in the Netherlands has helped Henry to realise the importance of being able to communicate adequately to strive for change. A big eye-opener during his studies in the Netherlands was the experience that impactful, sustainable change begins at grassroots level. This really motivated Henry to share his knowledge and passion: to encourage and inspire young people by raising awareness about human rights.

Henry now educates his community by providing free legal counselling on civil rights. As a passionate member of several human rights institutions in Nigeria, he collaborates with other professionals to build new policies that will improve human rights in Nigeria.

Results in 2021

Through the Orange Knowledge Programme scholarships, a total of 164 Nigerians have pursued an education in the Netherlands. These changemakers are now implementing what they have learned in their communities.

"My degree in the Netherlands has helped to strengthen my expertise."

Henry Chibuiké Ugwu, legal practitioner and OKP alumnus



SDGs 3 4 10 16

Impact



Cyber Security Education in Indonesia

The growing prominence of social media, mobile applications and online services in Indonesia requires the country to be alert for possible cyber security issues. The CYBER project, a collaboration between Universitas Indonesia and Vrije Universiteit Amsterdam, is focused on implementing a practical and innovative teaching approach within cyber security education in Indonesia.

Before the start of the CYBER project in 2020, courses were often taught with less class participation and without reference to real-life problems. Now, with new curricula, laboratories, and teaching methods, students are encouraged to think critically and comprehensively to solve potential cyber security issues in real-life situations.

Results in 2021

Many collaborations and partnerships with other educational institutions, government institutions and other industries were formed through this project. In fact, the new cyber security course modules are being implemented in other Indonesian higher education institutes too, particularly in institutes located in smaller cities and islands.

This project is a great example of how a collaboration between 2 universities leads to the dissemination of new knowledge throughout a country. In the end, Indonesia will be better able to prevent and handle cyber security issues.

"With this project, we can answer societies' cyber security needs."

Zahra Mahardika - researcher at Universitas Indonesia



SDGs **4** **5** **16** **17**

Impact





Water



642 Individual scholarships

Master's
119 scholarships
38% of funds awarded to
Master's Scholarship

Short courses
523 scholarships
25% of funds awarded to
Short Course Scholarship



10 Group training

Tailor-made Training
7 grants
8% of funds awarded to
Tailor-made Training

Refresher Courses
3 grants
30% of funds awarded to
Refresher Courses

SDG **6**



Improving water quality in Vietnam

In Vietnam, climate challenges greatly increase the need for modern techniques and experts in the area of water management. But while the country urgently needs greater awareness and expertise in this field, there is little enthusiasm for the subject. In fact, the number of students in this field has been steadily declining.

Under the former NICHE programme - the predecessor of the Orange Knowledge Programme - a partnership started between HUNRE, Thuyloi, TU Delft and University of Twente. It resulted in a new project under the Orange Knowledge Programme called 'Climate Proof Vietnam', which aims to support current and future water engineers in Vietnam with adequate knowledge and skills to work towards improving water quality in Vietnam.

Results in 2021

By updating the curriculum on Integrated Water Resources Management (IWRM) and on specific challenges for the deltas, such as subsidence, flood management, food production, saltwater intrusion and groundwater use, the project ensures that the current and future generations of water engineers are ready to enter the labour market and refine Vietnam's water management system.

"From one person to a joint effort, water quality in Vietnam will improve."

Do Thi Thuy Dung, bachelor student at HUNRE and participant of the Climate Smart Vietnam project



SDGs **4** **6** **13** **17**

Impact



Before OKP

Insufficient water management curricula; inadequate technology



Current situation

Improved curricula and skills; increased intake of students



Upcoming years

Better use of modern technology to improve water quality and management

The power of scholarships in Kenya

The Orange Knowledge Programme grants scholarships to professionals working for key organisations that can act as catalyst for change in Kenya's water and agricultural sector. One of those professionals is Samuel Adhiambo Otieno. Samuel came to study in the Netherlands to strengthen his knowledge in the field of water supply engineering. More importantly, his goal is to share his new knowledge and strengthen his community.

Results in 2021

Up to 2021, the Orange Knowledge Programme has strengthened 244 young Kenyan professionals through education in the Netherlands. Professionals meet others from all over the world and build ties with the Netherlands. They learn about the latest science and practical skills in their field of work, and return home as alumni with a suitcase full of knowledge. Every day, they spread their newly acquired knowledge to key organisations in the Kenyan water and agricultural sector.

"This master's degree is just the beginning of greater things."

Samuel Odhiambo Otieno - Orange Knowledge Master's scholarship holder, alumnus from IHE Delft



SDGs **2** **4** **6** **17**

Impact



Before OKP

Insufficient knowledge of water management



Current situation

244 working professionals educated in the Netherlands



Upcoming years

Professionals implement and spread their knowledge in key organisations in Kenya



Food & Nutrition Security



2 Institutional collaboration projects

2 Grants
100% of funds awarded to institutional collaboration projects



52 Group training

Tailor-made Training +
7 Grants
19% of funds awarded to Tailor-made Training+

Tailor-made Training
42 Grants
47% of funds awarded to Tailor-made Training

Refresher Courses
3 Grants
30% of funds awarded to Refresher Courses

SDG **2**



 Institutional collaboration project

Dairy collaboration in East Africa

Kenyan, Ugandan and Ethiopian education institutions all expressed similar needs for an update of their dairy education curriculum. To respond to this capacity need, the Orange Knowledge Programme initiated the EARNED project. Since its start in 2019, the project has improved institutional, organisational and individual capacity to offer blended and practical training in dairy production, processing and business in both the East African region and the Netherlands.

Results in 2021

The project supported 12 institutions in the region in training local farmers, improving dairy curricula and strengthening partnerships between various stakeholder groups. Moreover, the digital learning environment in the 12 institutions was improved by developing 'Delta Dairy Academy', an online tool which enables blended learning at a global level. Now, theoretical dairy education and training can be combined with practical learning by using digital tools. In addition, knowledge can now be shared between institutions and countries.

With updated curricula and brand-new tooling, institutions in the EARNED project will continue to make a positive change in the coming years. The ultimate goal: more ecologically sustainable food systems, less malnutrition thanks to increased dairy intake, and enhanced agricultural growth.

"By using online tools, farmers can share knowledge on a global level."

University of Eldoret, Kenya



SDGs **2** **4** **5** **17**

Impact



 Institutional collaboration project

6 universities in Iraq fight climate change

A unique collaboration of universities: six universities in Iraq (Salahaddin-Erbil, Karbala, Anbar, Kufa, Mosul and Basra) are working with Wageningen University & Research, iCRA global and IHE Delft Institute for Water Education to strengthen both the agricultural sector and education sector by improving education on Efficient Water Management (EWM) and Climate Smart Agriculture (CSA).

The institutional collaboration project 'Efficient water management in Iraq by switching to climate smart agriculture: capacity building and knowledge development' aims to strengthen teaching and research methodologies for Iraqi universities and their academic staff and help graduates meet the needs of the labour market.

Results in 2021

Up to now, the collaboration has led to 12 collaborative partnerships in EWM and CSA, and gender equality plans in all universities to increase inclusivity. In addition, 2 scientific researches were conducted, 4 scientific articles were published in the international journal *Water*, and 80 students and staff successfully completed a course to integrate interactive teaching methods. Additionally, more than 219 Iraqi staff members and experts from ministries attended and successfully completed courses on EWM and CSA.

Change is being made by the educational sector in Iraq as a whole.



SDGs **4** **6** **16** **17**

Impact



4 Alumni





Continuous knowledge sharing through alumni

As we all know, education is a means to an end. For us, the end is creating sustainable positive impact for communities. Economic, environmental, social sustainability to be more precise, with a focus on alignment with labour market needs and working towards resilient societies. Strengthening the capacity of people, notably women and youth, through education and skills development can unlock the potential that is yet untapped in many parts of the world. Exchanging best practices and sharing knowledge are essential in this regard. This goes beyond the halls of universities and colleges, and extends well into the world beyond.

This is why alumni are important. Alumni are not only important to us, but also to each other. We are confident that many of our alumni today will be the leaders of tomorrow, steering the discussions on new themes and new ideas. Therefore, we want to share with you these inspiring stories of alumni who are currently passing on knowledge that they gained with the help of the Orange Knowledge Programme or its predecessor.

Passing on knowledge

Nigest Hale, NFP alumnus & OKP trainer

Nigest Haile is a Netherlands Fellowship Programme (NFP) scholarship alumnus, a predecessor of the Orange Knowledge Programme.

Nigest continues to share knowledge obtained through her scholarship, by coordinating the 'Enhancing business support services for female-led agribusinesses in Ethiopia's Tailor-Made Training (TMT). She conducts training sessions and builds partnerships with stakeholders in various countries to create opportunities for women-led businesses to export their products. She believes that despite the limited time and multiple roles that women have, it is important for her to advocate for women entrepreneurs. Through this TMT, women entrepreneurs now have a strong business foundation and are ready to export their products. Women are supported to generate employment opportunities for themselves and are empowered to develop their talents beyond their roles as mothers, wives and sisters. Nigest's journey shows us that by joining forces with one another, many great improvements can be achieved.

Impact maker 2021

In 2021, Nigest won Nuffic's Horn of Africa Alumni Challenge, where she proposed the idea of providing workshops to improve marketable skills for marginalised Ethiopian women.

As an active alumni, Nigest believes it is important to have a strong network of alumni. She encourages the network of NL alumni in Ethiopia to grow and join forces to achieve more together.



Passing on knowledge

Cheick Ahmed Ouattara, OKP alumnus & trainer

Cheick Ahmed Ouattara is a farm owner, trainer, and an Orange Knowledge Scholarship alumnus. After following a short course at Aeres Training Centre International, Cheick now passes on modern knowledge and skills to fellow experts.

To this end, Cheick conducts training sessions in the Tailor-Made Training (TMT) on 'Strengthening capacities of trainers in poultry management and nutrition' in Burkina Faso. As part of his training sessions, Cheick employs a blended-teaching approach, where he engages with his students using different activities such as discussions, videos and interactive games. His training sessions focus on using modern techniques of improving poultry production and management. Poultry farmers now have a more advanced understanding about how to consistently produce good quality poultry batches.

Cheick is optimistic that within the next decade, most farmers in Burkina Faso can shift to producing poultry for commercial purposes. This means that the country can reduce its imports and raise enough poultry to meet its domestic demand. Through lifelong learning, changemakers like Cheick create impact that could otherwise not have been generated.



Find out more

Thank you for showing interest in the Orange Knowledge Programme. Do you want to stay up to date on the latest results of the Orange Knowledge Programme? Follow us on social media or read more stories on www.nuffic.nl/en/OKPimpact.



[@NufficGD](https://twitter.com/NufficGD)



[@NufficGlobalDevelopment](https://www.facebook.com/NufficGlobalDevelopment)



[Nuffic Global Development](https://www.linkedin.com/company/nuffic-global-development)



www.nuffic.nl/okp

5 Abbreviations



Abbreviations

CSA	Climate Smart Agriculture
EWM	Efficient Water Management
ICP	Institutional Collaboration Project
LTUC	Luminus Technical University College
NFP	Netherlands Fellowship Programme
OKP	Orange Knowledge Programme
RC	Refresher Course
SDG	Sustainable Development Goal
SGBV	Sexual and Gender Based Violence
TMT(+)	Tailor-Made Training (Plus)
TVET	Technical and Vocational Education and Training

Colophon

Photos

- p. 12 Maastricht School of Management
- p. 14 Henry Chibuike Ugwu
- p. 15 Zahra Mahardika / Universitas Indonesia
- p. 21 Carin Vijfhuizen on behalf of Wageningen University, IHE Delft, iCRA global, Salahaddin University-Erbil, University of Kerbala, University of Anbar, University of Mosul, University of Kufa And University of Basra
- p. 24 Nigest Hale
- p. 25 Cheick Ahmed Ouattara

Design

Osage



Save the planet

Thank you for not printing this publication.



This publication, with the exception of images and illustrations, is subject to the Creative Commons Attribution-Non-Commercial 3.0 Unported Licence. Please visit www.nuffic.nl/ccl for the rules for reuse of this publication.

The Orange Knowledge Programme is funded by:



Nuffic Kortenaerkade 11 2518 AX The Hague
PO Box 29777 2502 LT The Hague The Netherlands
T 070 4260 260 www.nuffic.nl/en



Ministry of Foreign Affairs