



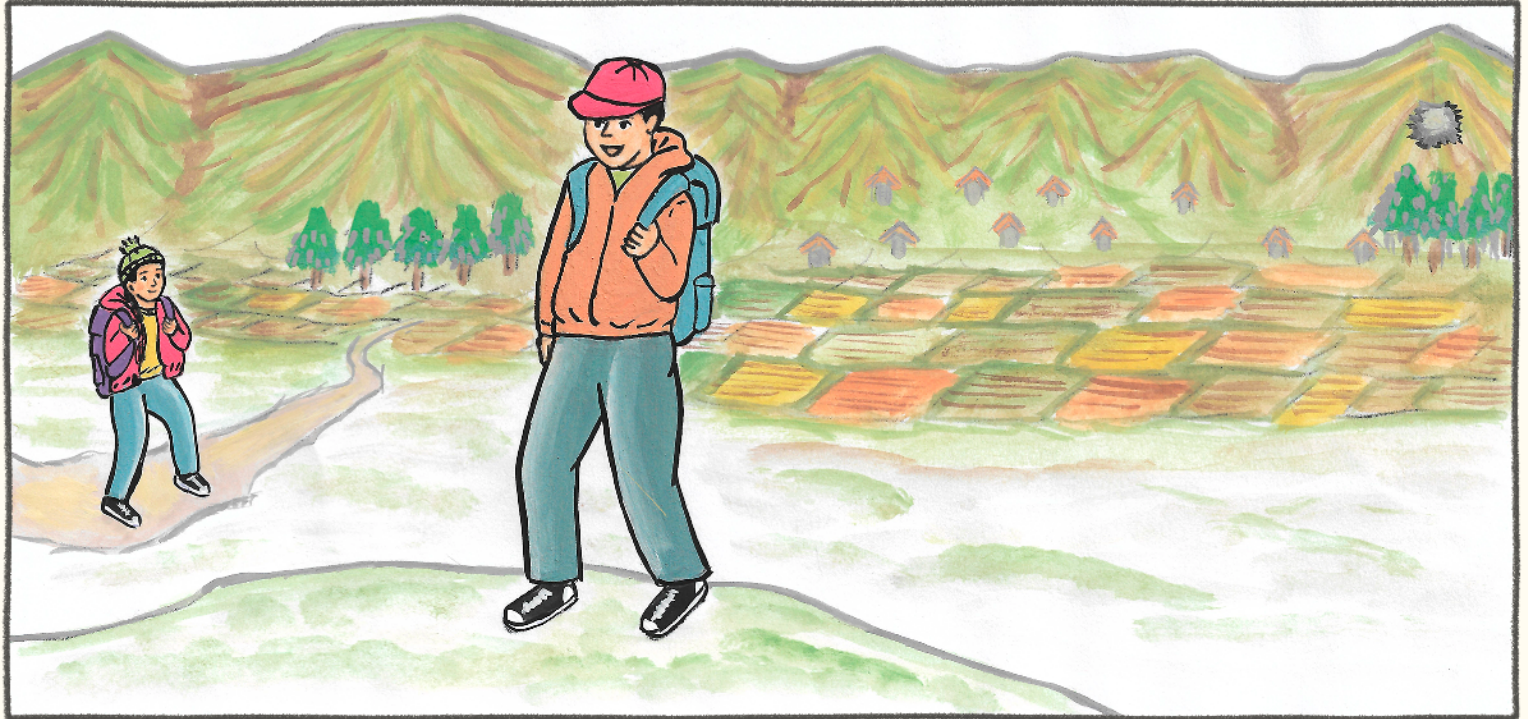
Redes de
Agricultores
Investigadores que
Conocen
Experimentan y
Socializan

ROOTS, networks of
farmer researchers
that know,
experiment and
share

**Farmer-centered research for agroecology:
Transforming research, reimagining food systems**

CCRP Online Gathering
October 25 th - 27 th 2021

THIS IS THE STORY OF EVELYN AND JOSÉ, WHO LIVE IN A HIGH ANDEAN COMMUNITY. THEY GO TOGETHER TO AN AGRICULTURAL INSTITUTE.





HAIL IS RARE AT THIS TIME OF THE YEAR.

LET'S HOPE THE CROPS HOLD UP!

THE WIND BROUGHT YOUR VOICE AND I CAME RUNNING AFTER YOU...

THIS ONE IS HARD AND IS LASTING A LONG TIME.

NOT ALL WILL BE AFFECTED EQUALLY, IT REMAINS TO BE SEEN...



CHANGES IN THE CLIMATE ARE HARMING OUR CROPS.

THIS MIXTURE OF NATIVE POTATOES IS COLORFUL AND APPETIZING.




I WONDER HOW PEOPLE ARE ADAPTING ELSEWHERE. WE'LL HAVE TO FIND OUT!

YEAH! TO IMPROVE AGRICULTURE IN OUR COMMUNITY.

WHAT IF WE RESEARCH IT AND LOOK FOR AN ANSWER WITH THE HELP OF THE INSTITUTE?

LET'S GET TO IT! WE MUST PROPOSE IT TO THE INSTITUTE!



ALL THE INFORMATION IS AVAILABLE ON THE INTERNET! BUT THERE IS ALSO INFORMATION THAT IS NOT RELIABLE.

AND NOT EVERYTHING WILL WORK FOR OUR REALITIES. WE WOULD HAVE TO TEST AND ADAPT TECHNOLOGIES BEFORE USING THEM.

VERY EXCITED, JOSÉ AND EVELYN WENT HOME TO SHARE WITH THEIR FAMILIES THE IDEA OF DOING SOME WORK TOGETHER FOR THE INSTITUTE. THEY KNEW THEIR FAMILIES WOULD ENRICH THEIR IDEAS.

WHAT DO WE KNOW?

WHAT DO WE STILL NEED TO KNOW?

WHAT MUST WE DO TO KNOW IT?

AFTER SAYING GOODBYE TO EVELYN, JOSÉ IS TALKING WITH ROSA, HIS MOTHER, ABOUT THE RESEARCH WORK THEY WILL PROPOSE TO THE INSTITUTE.



MEANWHILE, THAT SAME NIGHT EVELYN ALSO TALKS WITH GREGORIO, HER FATHER, AND DOÑA FORTUNATA, HER GRANDMOTHER, ABOUT THE IDEA OF THE PROJECT FOR THE INSTITUTE.

FATHER: JOSÉ AND I ARE GOING TO INVESTIGATE TOGETHER HOW TO IMPROVE OUR CROP PRODUCTION AND INCREASE OUR SALES.

VERY WELL, MY DAUGHTER! WE MUST ALL TAKE PART.

THEN THEY WON'T LEAVE OUR COMMUNITY.

THE THING IS THAT THERE IS NO PLACE TO STUDY, AND WE LACK MANY THINGS.

MANY YOUNG PEOPLE ARE LEAVING THEIR COMMUNITIES BECAUSE THEY WANT A BETTER FUTURE.

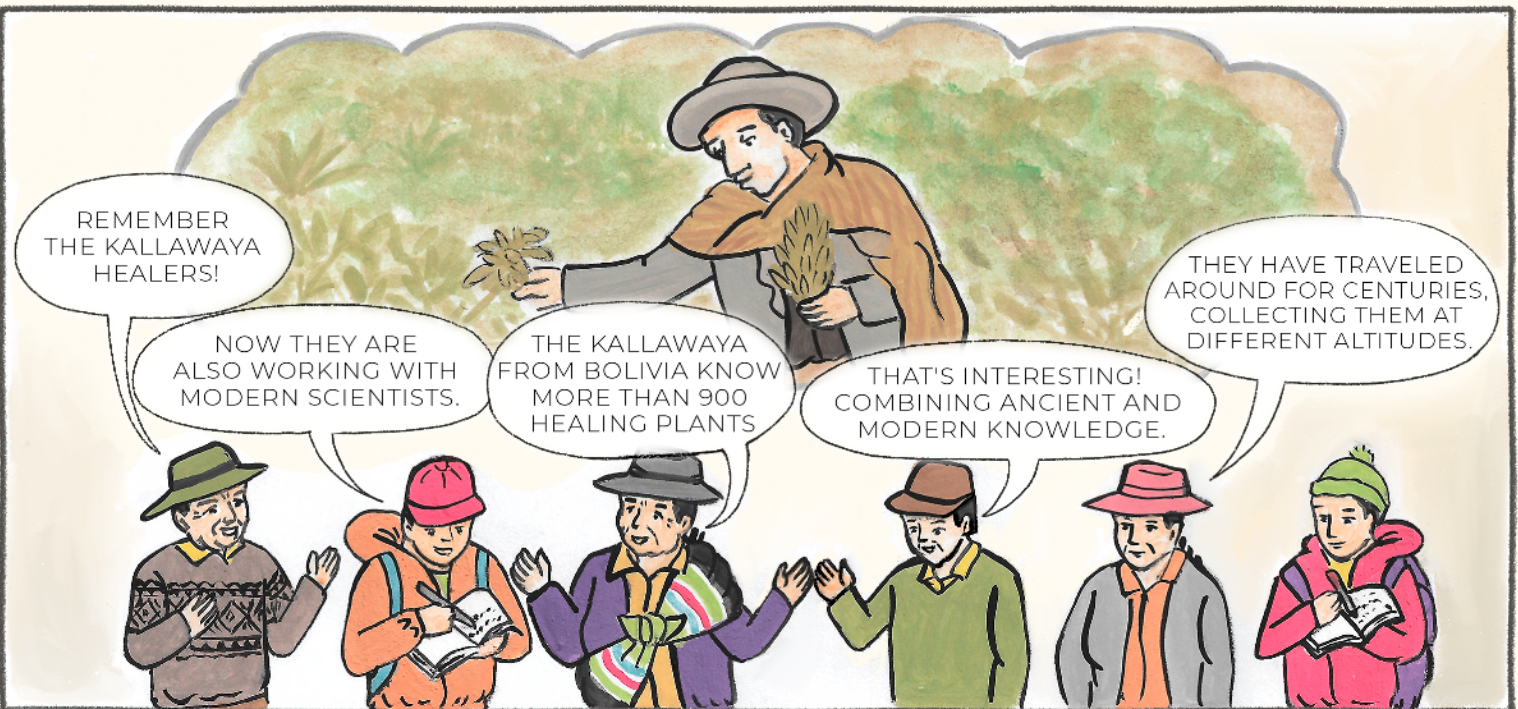
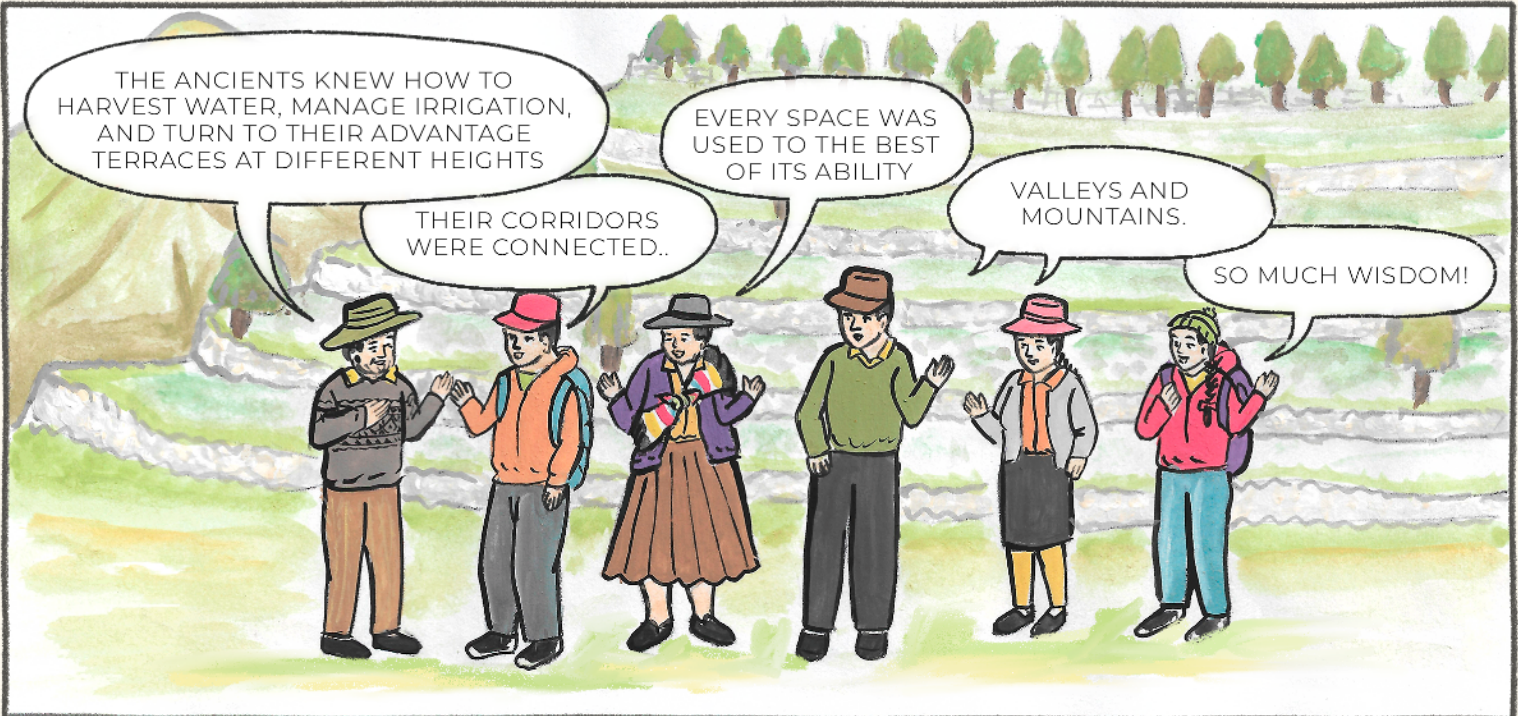
FOR THAT REASON, THEY DON'T TAKE PART IN THE SOLUTIONS, EITHER. AND WE, THE COMMUNITIES, ARE WEAKENING.

YOUNG PEOPLE FEEL EXCITED ABOUT WHAT IS HAPPENING OUTSIDE THE COMMUNITY.

AND WE CAN BE HERE AND THERE.

BUT TODAY WE ARE BETTER CONNECTED THAN EVER BEFORE.

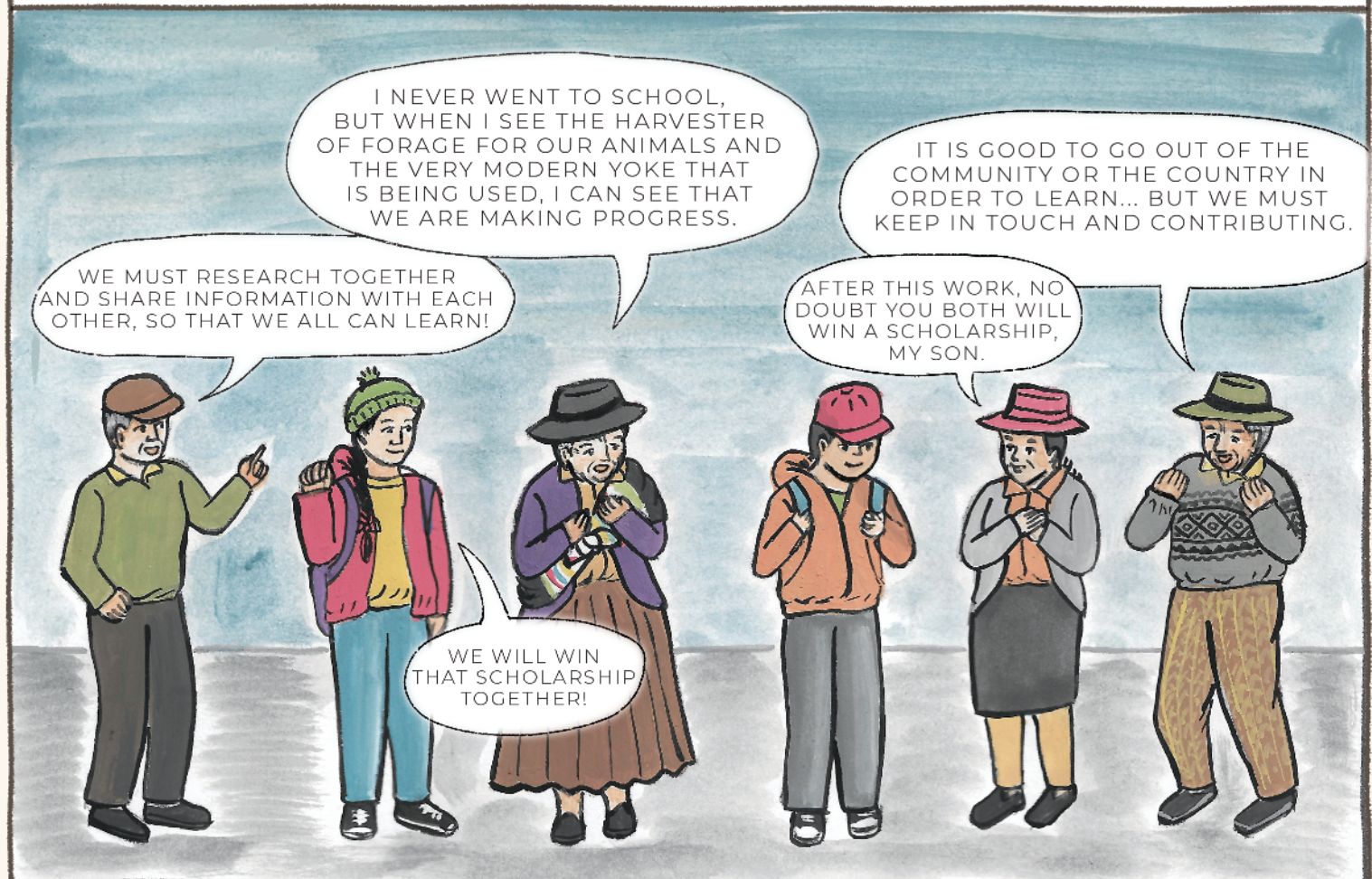
THE IDEAS THEY GOT IN THEIR HOMES WERE SO INTERESTING THAT EVELYN AND JOSÉ DECIDED TO BRING THE TWO FAMILIES TOGETHER TO IMPROVE THEIR STUDY PROJECT BEFORE SUBMITTING IT TO THE INSTITUTE.



EVELYN AND JOSÉ WORKED ON A RESEARCH PROPOSAL FOR THE YEAR, AND NOW THEY ARE PRESENTING IT TO THE INSTITUTE.



THE YOUNGSTERS NOW MEET WITH THEIR FAMILIES, THIS TIME TO TELL THEM... "THE INSTITUTE APPROVED OUR PROJECT!"



EVELYN AND JOSÉ, EAGER TO TAKE ACTION AND FIND OUT WHAT OTHER COMMUNITIES ARE DOING SUCCESSFULLY, TO SHARE IT WITH THEIR OWN.



THERE ARE COMMUNITIES THAT CONDUCT SUCCESSFUL EXPERIMENTS AND FIND SOLUTIONS THAT MEET THEIR REALITY.

THEY ARE FARMERS DOING RESEARCH!

AND THEY ARE ORGANIZED IN NETWORKS!

WE SHOULD TRAVEL TO MEET THEM!

WE DON'T NEED TO MOVE FROM HERE, THERE ARE OTHER WAYS TO GET TO KNOW EACH OTHER!

A WEEK LATER, THROUGH THE COMMUNITY LEADERS, EVELYN AND JOSÉ ARRANGED FOR A WORKING MEETING WITH PARTICIPANTS FROM OTHER COMMUNITIES, TO PROPOSE THE PARTICIPATORY RESEARCH PROJECT AND ORGANIZE TASKS.



WITH ALL THESE CONTACTS WE WILL REACH MANY PLACES.

PAULINO FROM BOLIVIA IS IN!

YESENIA FROM HUANCAMELICA HAS CONFIRMED!

CHELITA'S HUSBAND IS AN AGRICULTURAL TECHNICIAN, HE'S WORKING ON A LOCAL EXPERIENCE!

THEY MEET AT SCHOOL SCIENCE CLUBS!

MY BROTHER-IN-LAW WANTS TO BE PART!

MY GRANDSON WILL TEACH US HOW TO PREPARE HIS QUINOA COOKIES!

NATIVE LITTLE POTATOES, SERVED WITH DELICIOUS CHEESES!

WITH THE GROUPS UP AND RUNNING, A FEW DAYS LATER INFORMATION BEGAN TO ARRIVE, TELLING THE EXPERIENCES OF THE DIFFERENT PLACES.

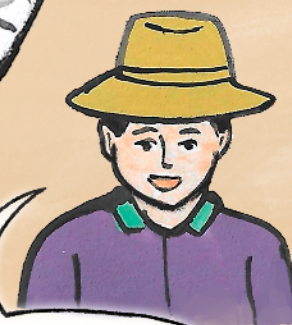


EVELYN AND JOSÉ ARE IN A MEETING WITH PEOPLE FROM THEIR COMMUNITY AND WITH THEIR TEACHERS FROM THE INSTITUTE, TO DISCUSS THE PROGRESS OF THE PARTICIPATORY RESEARCH.



YAPUCHIRIS – PROSUCO PROJECT

CENTRAL ALTIPLANO OF BOLIVIA.



THEY HAVE ALREADY LOCATED SUCCESSFUL EXPERIENCES!

PROJECT ON CLIMATE RISK MANAGEMENT WITH LOCAL KNOWLEDGE. UMSA-U. MISSOURI.

CENTRAL ALTIPLANO OF BOLIVIA.

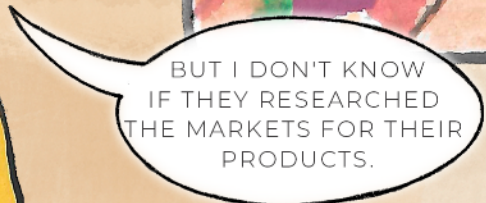


IT'S GOING TO BE USEFUL BECAUSE THEY ARE COMMUNITIES LIKE OURS!



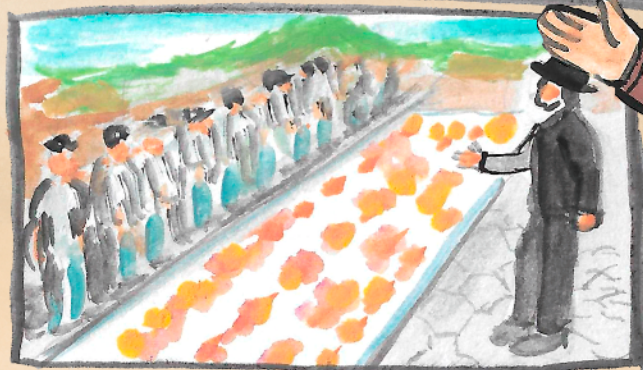
**QUINOA/AGROECOLOGY PROJECT.
PROINPA FOUNDATION IN BOLIVIA.**

COMMUNITIES OF THE CENTRAL ALTIPLANO OF BOLIVIA.



**GUARDIANS OF THE NATIVE POTATO
PROJECT OF AGUAPAN/YANAPAI.**

HIGH ANDEAN COMMUNITIES - PERU.



AS FARMER RESEARCHERS THE YAPUCHIRIS FOLLOW A SERIES OF STEPS TO OVERCOME THE CLIMATIC DIFFICULTIES THAT AFFECT THEIR PRODUCTION, ESPECIALLY OF QUINOA.



THE THIRD STEP IS TO PROVE WITH YOUR WORK ON THE PLOT.

WHAT WE HAVE LEARNED MUST GIVE US RESULTS IN PRACTICE.

WE HAVE TO MEASURE, WEIGH, NOTE, COMPARE, AND TAKE PICTURES, TO MAKE THE RESULTS VISIBLE..



THAT'S THE FOURTH STEP

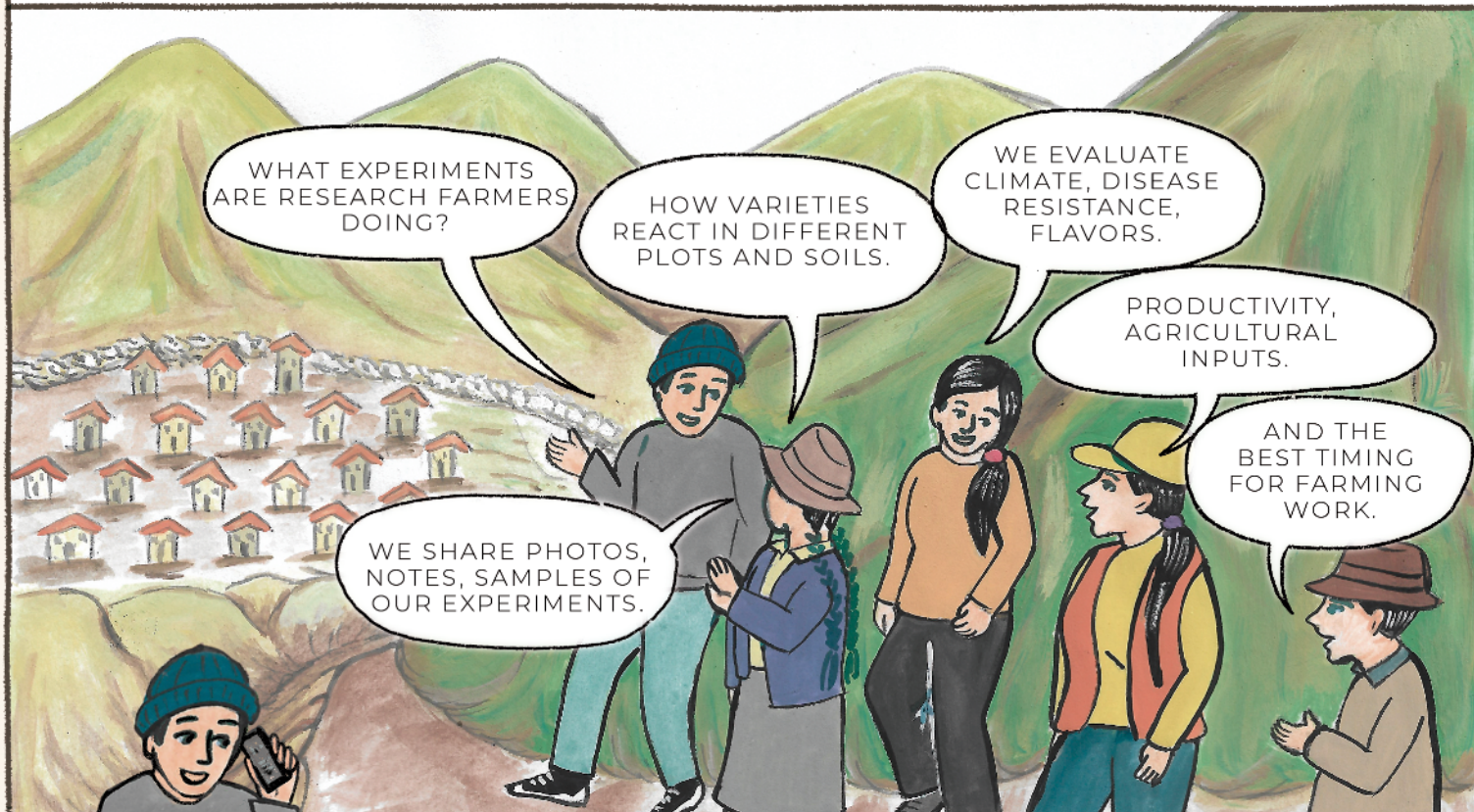
AND WHAT CAN YOU DO WITH ALL THIS DATA?

WE EVALUATE IT WITH THE TECHNICIANS AND THE COMMUNITY.

AND THIS WAY WE DRAW BETTER CONCLUSIONS.



JUST AS WATER CIRCULATES IN THE EARTH AND SPREADS BY CAPILLARITY, THE KNOWLEDGE THAT IS DISSEMINATED IN THE COMMUNITY ALLOWS US ALL TO LEARN.

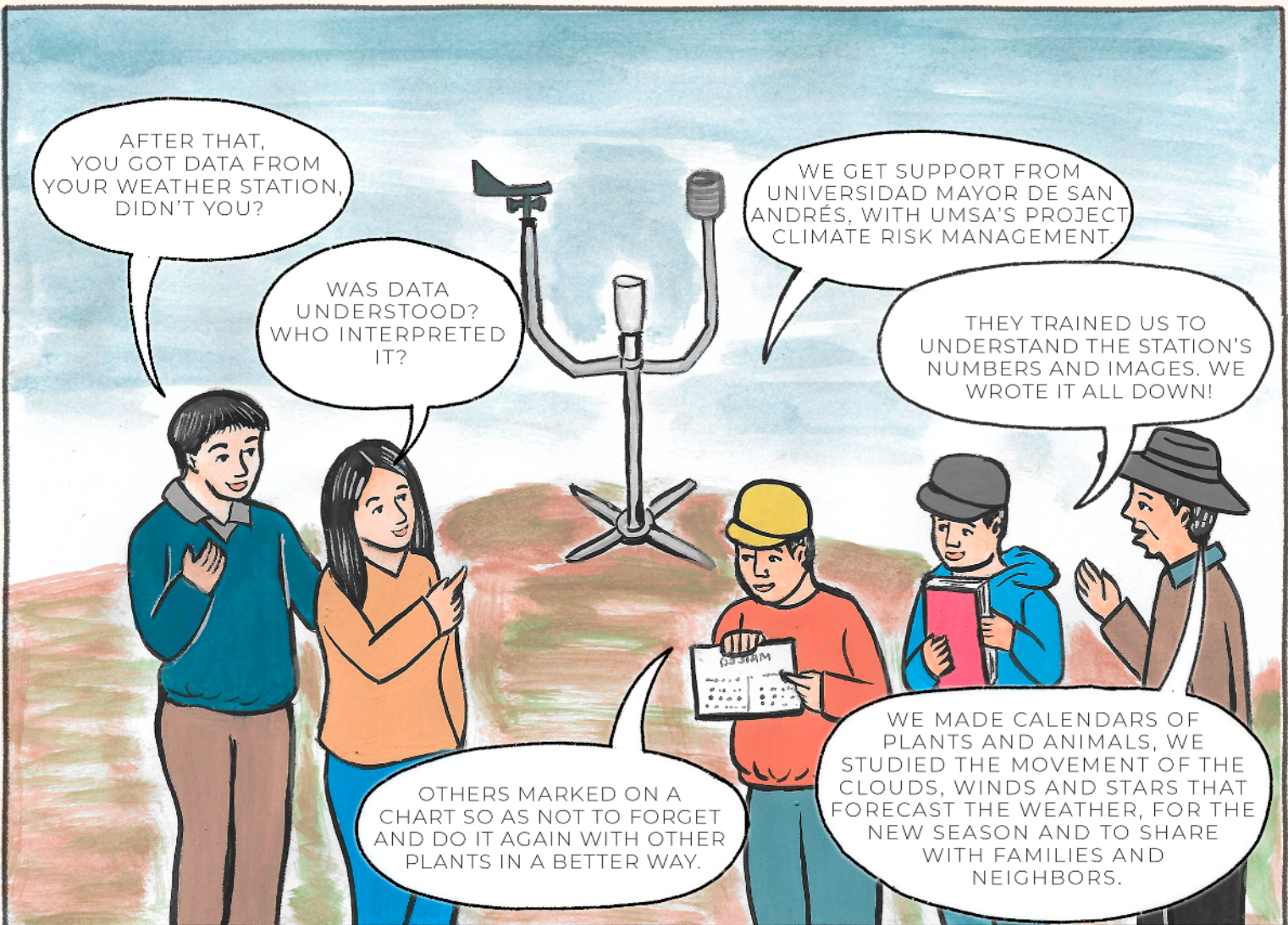
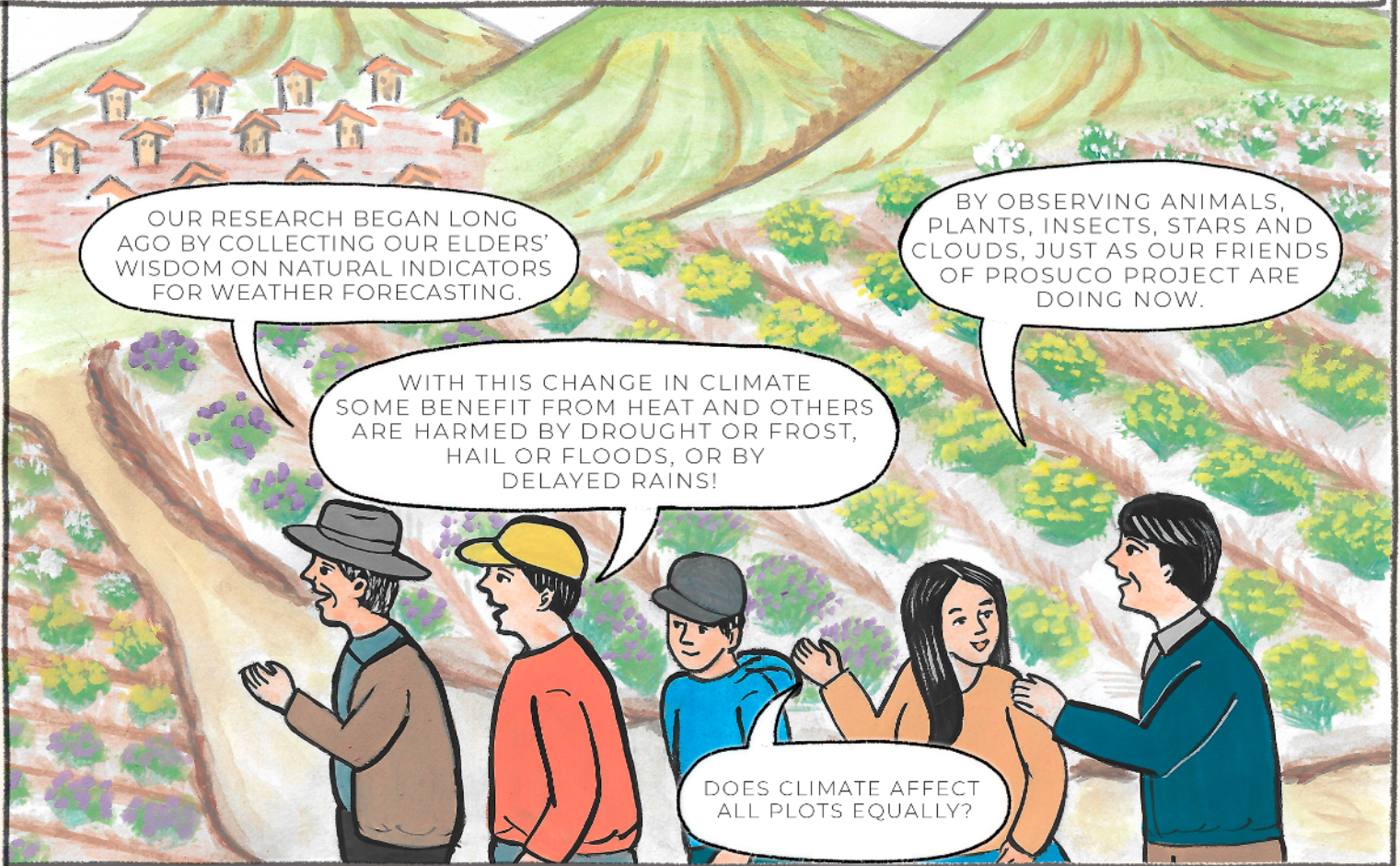


"I HAVE GOOD INFORMATION... ONLY THE FIFTH STEP OF WHAT YAPUCHIRIS DO IS MISSING!"



THOSE WHO HAVE LEARNED TO INVESTIGATE BY EXPERIMENTING, ARE COORDINATING AND ENCOURAGING OTHERS TO BE STRONGER, BUT NOT EVERYONE IS INTERESTED, WE NEED TO KNOW WHAT OTHERS THINK.

CHELITA AND MARIO FROM LOS ANDES DE LA PAZ, CENTRAL ALTIPLANO OF BOLIVIA, REPORTING ON THE EXPERIENCE OF THE PROJECT WITH UMSA.





AND HOW DO YOU SHARE FORECASTS WITH THE COMMUNITY?

BY WHATSAPP..

WE PREPARE FLYERS, AND IF THERE IS SIGNAL, MESSAGES ARE PASSED OVER THE RADIO.

THE ENGINEER TAUGHT US HOW TO LOOK AT MODERN WEATHER FORECASTING EQUIPMENT...



SEE HOW SO MANY PEOPLE READ THE FORECAST INFORMATION SHEETS WE PUT UP...!

WE ALSO TALKED WITH OTHER COMMUNITIES AND WE PLAN WHAT WE NEED FOR PRODUCING, EATING AND SELLING.

WITH ALL THE INFORMATION AND TRAINING, YOU CAN DECIDE WHAT TO GROW, WHEN AND WHERE!

AND ALWAYS PASSING BY THE SITE AND GETTING USEFUL INFORMATION!

"THEY KNOW WHEN AND WHERE TO DO THEIR FARMING WORK, BECAUSE THEY REINFORCE THEIR KNOWLEDGE WITH MODERN WEATHER SCIENCE, IN ORDER TO GET BETTER FORECASTS AND IMPROVE THEIR PRODUCTION WITH TIMELY INFORMATION."



I HAVE VISITED THE GUARDIANS OF NATIVE POTATO, A PROJECT OF AGUAPAN - YANAPAI GROUP WITH COMMUNITIES IN THE CENTRAL ANDES OF PERU, TO TELL YOU ABOUT THEM.



PRESERVING NATIVE POTATOES REQUIRES KNOWLEDGE, GUARDIANS AND CREATING MARKETS.

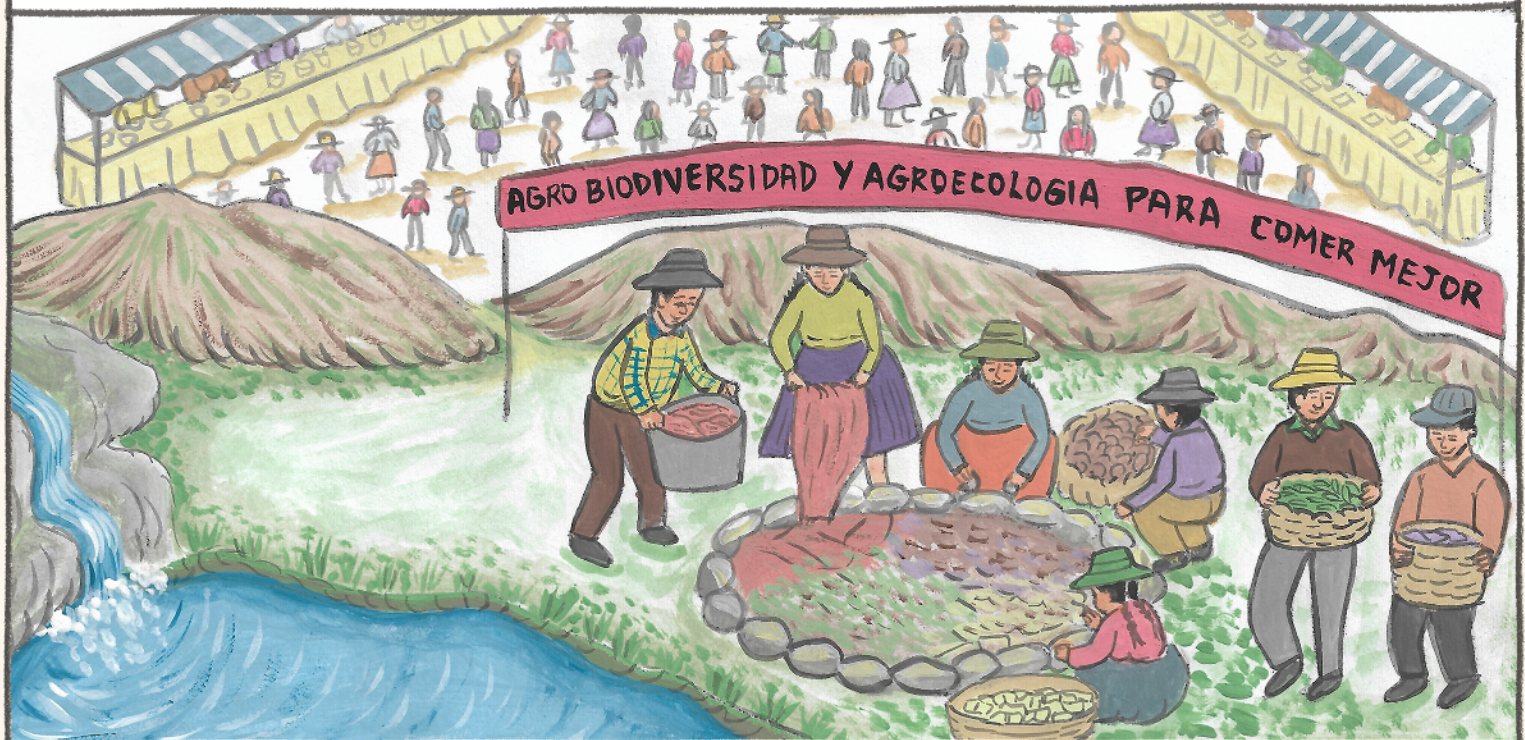
IT IS IMPORTANT TO GET INFORMATION FROM DIFFERENT SOURCES AND ANALYZE IT, TO MAKE BETTER DECISIONS.



THEY SELECTED AND TESTED EACH QUINOA VARIETY ON SEVERAL PLOTS, COMPARING AND DOCUMENTING RESULTS, WORKING WITH PROINPA.



MEANWHILE, NEAR THE CENTER OF THE FAIR...



WE SUPPORT EACH OTHER TO BETTER READ AND UNDERSTAND THE INFORMATION.



ARE YOU ARE GOING TO APPLY FOR THE COLLEGE SCHOLARSHIP? I WILL SUPPORT YOU!



YOU CAN'T RESEARCH EVERYTHING, YOU MUST CHOOSE WHAT MIGHT BE MOST USEFUL.

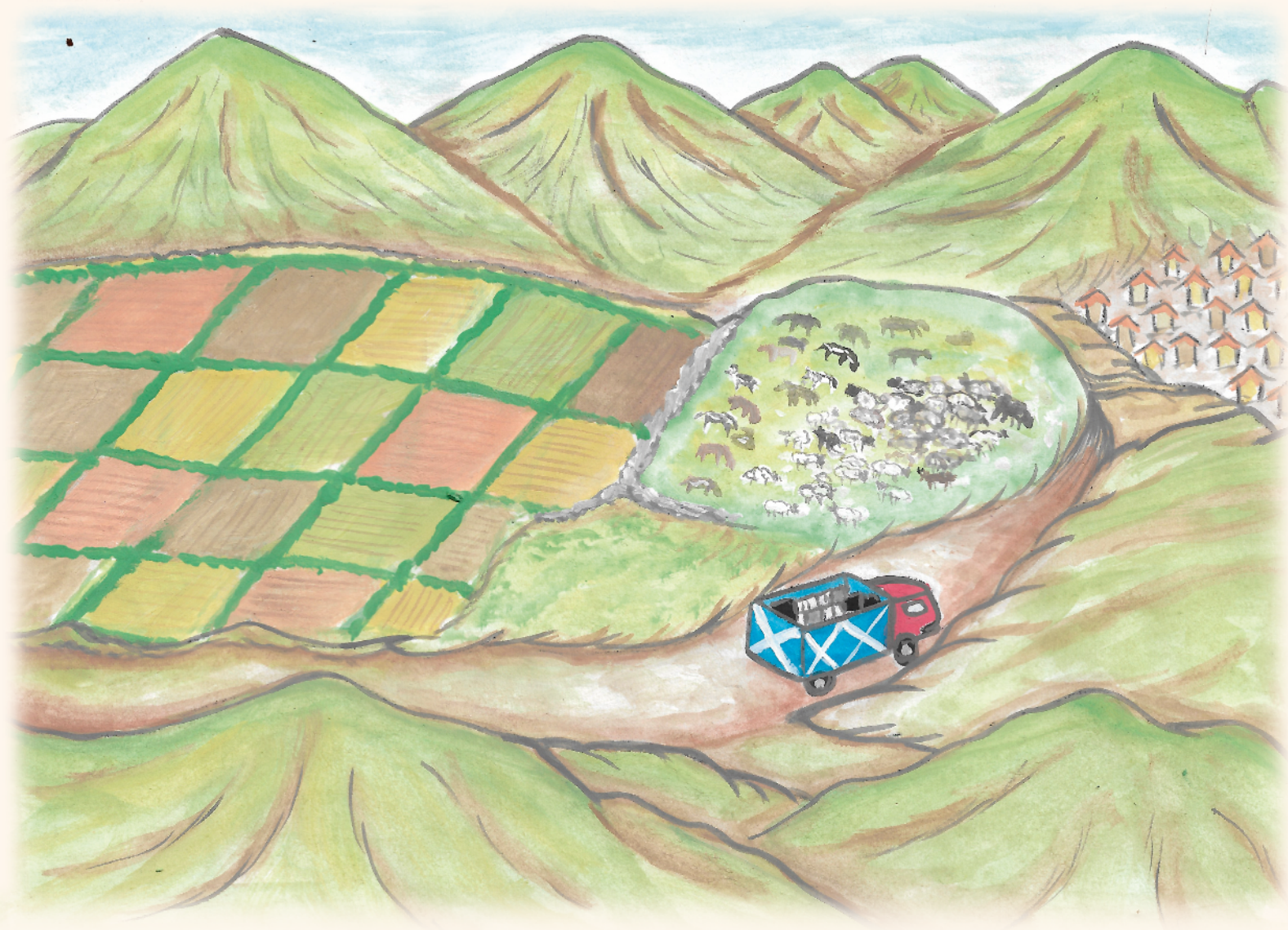
AND FIND OUT WHAT OTHER PEOPLE ARE DOING ELSEWHERE EVEN OUTSIDE THE ANDES.



THE RESEARCH FARMERS PRODUCED NEW KNOWLEDGE.

THEY EXPERIMENTED WITH PRACTICES AND PROVEN RESULTS.

AND WE FORMED NETWORKS TO BE IN CONTACT WITH EACH OTHER AND TO STRENGTHEN OURSELVES.



McKnight Foundation - Collaborative Crop Research Program (CCRP)
Andes Community of Practice
www.andescdp.org

With the participation of the following projects:
PROSUCO, PROINPA and UMSA (Bolivia)
Yanapai (Peru)
Coordination: CCRP Andes Regional Team
Script and design: Equipo Uno Comunicaciones
Drawings: Venuca Evanán Vivanco.
Drawing assistant: Jaqueline Loa Vilchez

Lima, October 2021

COLLABORATIVE CROP RESEARCH PROGRAM

THE MCKNIGHT FOUNDATION

