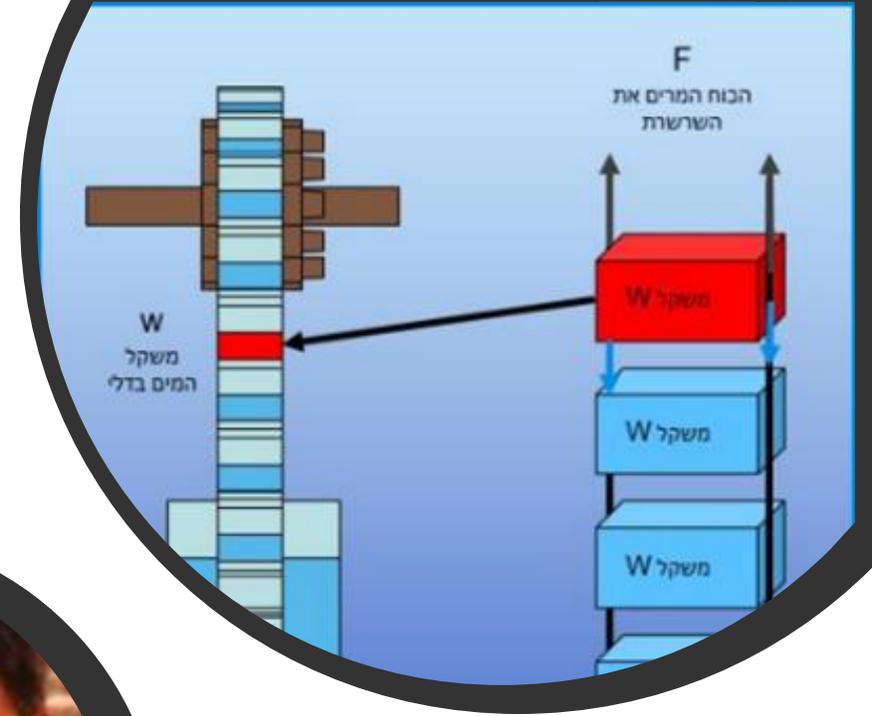


GG - Rotary Hands Across Water (RHAW)

- Un programma educativo, multidisciplinare ispirato dai temi della qualità e dell'accesso all'acqua e dei servizi igienico-sanitari con ricaduta trans-culturale in un territorio in conflitto
 - Finalizzato ad affrontare sfide globali e ad offrire possibili soluzioni
 - Costruito sulla metodologia Twinning:
Twinning Program – e Twinning Schools Model





**Distretto 2490, Commissione WASH, Haifa host club, Rotary clubs locali
Coral Springs/Parkland lead Int'l committee, Distretti: in Israele, e resto del mondo
2 TRF Global Grants per un ammontare pari a \$500,000 dal 2009
3rd GG in corso**

Centennial Noteworthy Program Recognition

Rotary
Rotary-HAW
Commendation.jpg
Type: JPEG Image
Size: 235 KB
Dimension: 1700 x 2338
pixels
ISRAEL

Dr. Gerald Stutzman
RC Coral Springs-Parkland (06990)
2877 Morris Carlo Way
Coral Springs, FL 33079-7829
USA

Dear Rotarians:

Congratulations on having your project, Global Grant 1524017, selected as one of 20 noteworthy global grant-funded projects to be recognized at The Rotary Foundation's centennial celebrations. Of the 1,165 projects completed this past Rotary year, yours is one that truly exemplifies what Rotary always strives to do: improve our local and global communities.

Doing Good in the World starts with Rotarians like you taking action. We hope that your project will inspire others to do the same.

We know that you have worked hard to create positive change for a community in need. Please accept our sincerest thanks and our congratulations on a job well done. You are Rotary Serving Humanity.

Best regards,

John F. Gern
Rotary International President

Kalyan Banerjee
Foundation Trustee Chair



Congratulations on having your project, Global Grant 1524017, selected as one of 20 noteworthy global grant-funded projects to be recognized at The Rotary Foundation's centennial celebrations. Of the 1,165 projects completed this past Rotary year, yours is one that truly exemplifies what Rotary always strives to do: improve our local and global communities.





RHAW – numbers and achievements

Collaboration with Industry, Academia, The Rotary, water authority
Government (Education, Economy, Environment Energy& water.

Since 2006, over 100 schools, 15,000 students, hundreds of teachers
Providing Content, Teacher Training, in class and remote support,
connection with industry, STEAM ideas.

Recognized as a **TRF Noteworthy program**

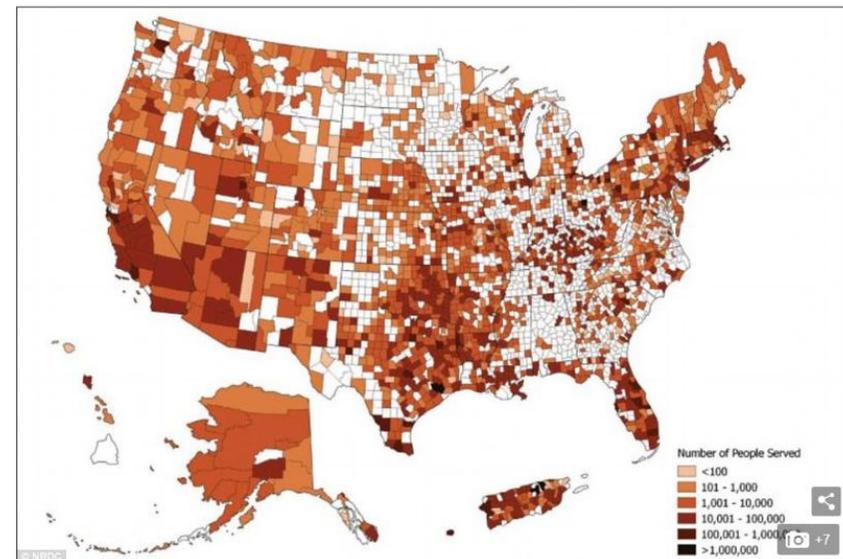
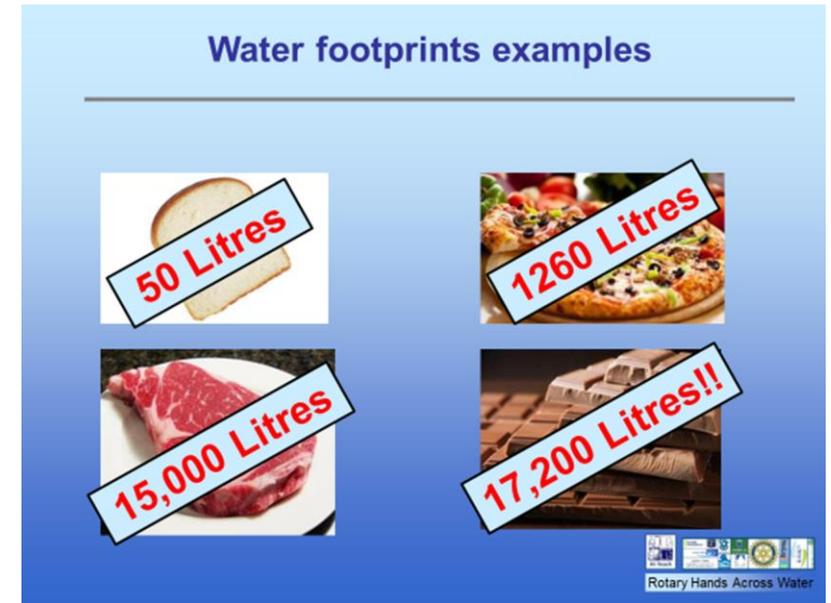
Developed to address the knowledge growth era

Scuole, Rotary, Ministeri
dell'educazione e dell'economia,
Industra, Hi-Teach, attori private e
pubblici



Siccità e persone: alcuni dati

85% di persone vivono in aree di siccità o rischio siccità
783 milioni di persone vivono senza acqua pulita e potabile
2.5 miliardi di persone sono senza servizi igienico-sanitari adeguati
Sono disponibili più cellulari che toilets.
15% di acqua potabile in US presenta condizioni di rischio per la salute

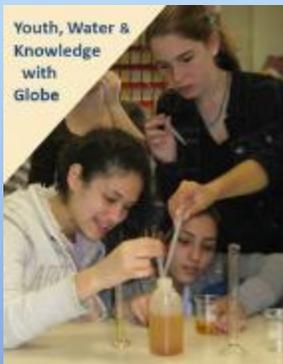


A report by the Natural Resources Defense Council found 15 percent or nearly 30 million of Americans had tap water with health-based violations in 2015. The contamination included lead, copper, arsenic or cancer-causing poisons in the water. Pictured: Map showing counties with health-based water contamination

Rotary Hands Across Water (RHAW)

1. Educazione STEAM: Scienze*, Tecnologia, Ingegneria, Arte, Matematica
2. Temi: acqua e servizi igienico-sanitari
3. Programmi rilevanti e coerenti con I *curricula* scolastici
4. Lavoro di ricerca, formazione e approccio di “reverse engineering”
5. Prospettiva futuristica e coinvolgimento degli studenti di etnia e religione diversa
6. Collaborazione transculturale / transetnica / transreligiosa – promozione del dialogo – sperimentazione concreta della possibilità e capacità di lavorare insieme

(* Scienze: Fisica, Chimica, Biologia, Geografia, Ambiente)



Rotary Hands Across Water

Twinning Process



1. Train teachers, provide content, coordinate twinning
2. Identify focus area with local curricular value
3. Study science background, water challenges & solution
4. Develop STEAM project
5. Connect with twinning class
6. Share and discuss products and reports
7. Spread the word

COME?



E-Learning and remote support - School visits, Class talk -
Out door research visits - On going content development –
Ora Visite virtuali a impianti e industrie

Educazione trans-culturale

הנחיות לניסוי חקר בבאר האנטילית

تعليمات لتجربة بحث في بئر الانتيل
 تعليمات להתארגנות לקראת הניסוי
 לביצוע הניסוי לאיסוף התוצאות
 ניתוח הנתונים ועריכת דו"ח

מספר	שאלה	תשובה
1	354	12
2	494	9
3	1040	4
4	1372	11
5	798	0

10.1.13
 10.1.13

מטרת התרגול
 מטרות
 מטרת התרגול - חיסול ליקבות החל
 מטרת התרגול - חיסול ליקבות החל
 מטרת התרגול - חיסול ליקבות החל

מספר	שאלה	תשובה
1	354	12
2	494	9
3	1040	4
4	1372	11
5	798	0



מטרות הניסוי הראשון

אهداف التجربة الاولى

- الزمن المطلوب لتعبئة البركة
 فهم كيفية عمل البئر
 حساب سرعة الحثج والوقت المطلوب لملء البركة
 قياس سرعة الحثج للدلو وتقدير الوقت اللازم من الناحية العملية
 تحليل التنصير
 تصوير العملية، توثيق النتائج وإعداد تقرير "بوثيقة وعارضة" وبشكل مفصل
 قياس وحساب مقاييس دلاء الانتيلي، حجمها ووزنها فارغة وممتلئة
 قياس البركة وحساب حجمها
 وقياس حاوية القياس وحساب حجمها
 حثج وقياس سرعة دوران العمود، وسعود الانتيلي الساقية، وزمن ملء الدلو
 إعداد النتائج، شرحها وتحضير تقرير بعرض تقديمي، عارضة أو مستند

אגודת זמרים היישוב



Supporto accademico di altissimo livello



Il Technion Grand Water Research Institute
Sostiene e coordina la ricerca e ospita eventi di
valutazione dei progetti e consegna dei diplomi



Rotary Hands Across Water

Condivisione dei progetti e dei rapporti di ricerca

STEAM projects



Rotary Hand



WATEC Israel 2019 Water Technology and Environment Control November 18-21, 2019 David InterContinental, Tel Aviv



Rotary Hands Across Water in WATEC 2019



The WATEC exhibition challenge

Students apply technologies exhibited in WATEC to address water challenges

Challenge Presented



Visit Exhibition



Brainstorm Solve the challenge

Present Solutions



60 Partners, 40 Rotary Clubs & 7 Distretti

23 RC in Israel District 2490

Host: Haifa RC

Int'l partner CS/PL RC

Int'l RC in eight (8) counties

USA

Canada

Romania

Poland

India

Albania

Kosovo

Greece

2490 Participating clubs	
1	Haifa
2	Tel-Aviv/Yafo
3	Jaffa
4	Kiryat Gat
5	Daliat El Carmel
6	Karmiel
7	Zikron Yaacov
8	Holon
9	Gedera
2490 Participating clubs	
10	Carmel
11	Kishon
12	Ramat Aviv
13	Mazkeret batia
14	Yavne
15	Rishon
16	Beer Sheva
17	Jerusalem
18	Modeen
19	Yavne
20	Hadera
21	Ashdod
22	Herzelia
23	Cesarea

US / Canada RC	
1	Coral Spring-Parkland
2	Weston Club
3	Perrine-Cutler Ridge / Palmetto Bay
4	RC of Miami
6	Washington DC Club
7	Bethesda-Chevy Chase
8	Alexandria
9	Arden Arcade (Sacramento)
10	Lexington Sunrise Rotary Club, District 7570
11	New York City
12	Wilowdale
13	NE Sunrise Philadelphia
14	Philadelphia
15	Pennslvania

Districts	
2490	
6990	
7070	
3141	
3142	
2231	
2241	

60 Partners



Science Museums

History Museums

Visitor Centers

Archeologists



Desalination Eng.

VID

Tahal

Mekorot

Karaso

Amiad

Barmad

Ein Netafim Eilat

Mei Raanana

Mei Carmel

Palgi Maim

ARI, NUF



ROTARY

Min of Economy

Min of Education

Water Authority

National Part Authority

Antiquities Authority

Municipalities

Technion GWRI

Hebrew university

The Globe program,



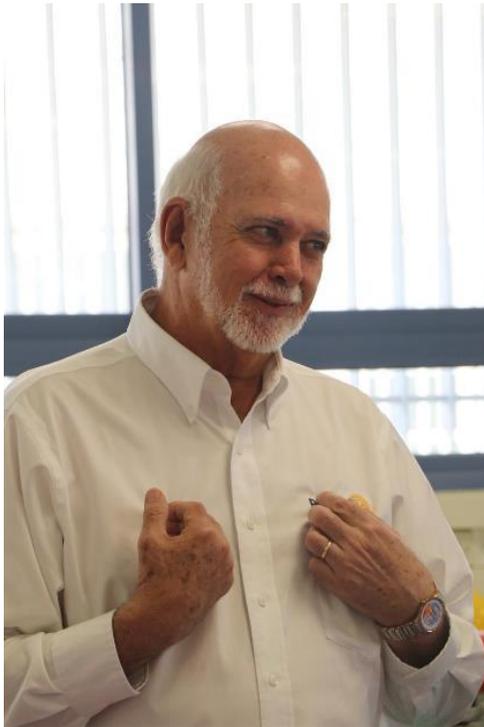


Rotary Hands Across Water



Rotary Hands Across Water

PRI 2018-2019 Barry Rassin



Costruzione della Pace, Acqua e Servizi igienico-sanitari,
Ricerca, Istruzione e innovazione imprenditoriale
stanno cambiando il mondo in meglio

Puro e semplice: questo è il Rotary

Dobbiamo esaminare come
portare questo modello nel mondo

...



Rotary Hands Across Water



Twinning Schools - Side by Side

Twining School Program

- Schools will research the local water & Sanitation
- And produce an overview report of current state of affairs
- And of future trends of the challenges and solutions
- Twining school pairs will than be established
- The schools will share the reports and compare the outcome
- The schools will draw conclusions and make recommendations
- The final work will be presented at virtual conference
- Held on the international water day 22nd March 2017



Youth Water & Knowledge

Terza fase: **GG 2099026**

The Rotary Hands Across Water School twinning Program.

Una collaborazione tra scuole nel e del mondo

נוער שותה מים ודעת
Rotary Hands Across Water

Agiel High School, Jaffa, Israel
Hosting
Donna Klein Jewish Academy,
Boca Rattan, Florida USA

April 2017

Rotary Hands Across Water

Il programma usa dunque la sfida della acqua e dei servizi igienico-sanitari e offre soluzioni tecnico scientifiche, già realizzate nel Paese, come base di una collaborazione educativa scientifica transculturale e internazionale. Essa favorisce cioè una interazione tra singoli e comunità volta alla condivisione della cultura scientifica in senso ampio; diventa promozione, dialogo, comprensione reciproca che crea una seria consapevolezza sui temi di interesse globale, e induce a lavorare insieme per superare, per quanto possibile, differenze e incomprensioni.



Rotary Hands Across Water



Rotary – RHAW – Pace

Un progetto questo, che spero diventi **una delle vie** illuminate per il superamento definitivo anche del conflitto arabo-israeliano in nome di un impegno congiunto - di due popoli da sempre in conflitto – per debellare una minaccia globale per la sopravvivenza della stessa umanità.